

# Product Data Sheet

## Recombinant Human CNDP1 Protein

| Catalog #                                                                                                                                                                                                                                                                                                                             | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Reactivity | Applications        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
| CRP1319                                                                                                                                                                                                                                                                                                                               | Human cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | H          | E, WB, SDS-PAGE, MS |
| Description                                                                                                                                                                                                                                                                                                                           | Recombinant Human CNDP1 Protein is produced by Mammalian expression system and the target gene encoding Pro28-His507 is expressed with a 6His tag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                              |            |                     |
| Form                                                                                                                                                                                                                                                                                                                                  | Liquid in a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                     |
| Gene Symbol                                                                                                                                                                                                                                                                                                                           | CNDP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                     |
| Alternative Names                                                                                                                                                                                                                                                                                                                     | CN1; CPGL2; Beta-Ala-His dipeptidase; CNDP dipeptidase 1; Carnosine dipeptidase 1; Glutamate carboxypeptidase-like protein 2; Serum carnosinase                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                     |
| Entrez Gene                                                                                                                                                                                                                                                                                                                           | 84735 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                     |
| SwissProt                                                                                                                                                                                                                                                                                                                             | Q96KN2 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                     |
| Purity                                                                                                                                                                                                                                                                                                                                | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                     |
| Chemical Structure                                                                                                                                                                                                                                                                                                                    | SPSPPPALLE KVFQYIDLHQ DEFVQTLKEW VAIESDSVQP VPRFRQELFR MMAVAADTLQ<br>RLGARVASVD MGPQQLPDGQ SLPIPPVILA ELGSDPTKGT VCFYGHLDVQ PADRGDGWLT<br>DPYVLTEVDG KLYGRGATDN KGPVLAWINA VSAFRALEQD LPVNIKFIE GMEEAGSVAL<br>EELVEKEKDR FFSGVDYIVI SDNLWISQRK PAITYGTRGN SYFMVEVKCR DQDFHSGTFG<br>GILHEPMADL VALLGSLVDS SGHILVPGIY DEVVPLTEEE INTYKAIHLD LEEYRNSSRV<br>EKFLFDTKEE ILMHLWRYPS LSIHGIEGAF DEPGTKTVIP GRVIGKFSIR LVPHMNVSAV<br>EKQVTRHLED VFSKRNSSNK MVVSMTLGLH PWIANIDDTQ YLAAKRAIRT VFGTEPDMIR<br>DGSTIPIAKM FQEIVHKSVV LIPLGAVDDG EHSQNEKINR WNYIEGTKLF AAFFLEMAQL<br>HVDHHHHHHH |            |                     |
| Quality Control                                                                                                                                                                                                                                                                                                                       | Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                     |
| Directions for Use                                                                                                                                                                                                                                                                                                                    | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                     |
| Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                     |
| Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                     |

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recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

### Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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