

# Product Data Sheet

## Recombinant Human KLK8 Protein

| Catalog #                                                                                                                                                                                                                                                                                                                             | Source                                                                                                                                                                                                                                                                               | Reactivity | Applications        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
| CRP1862                                                                                                                                                                                                                                                                                                                               | Human cells                                                                                                                                                                                                                                                                          | H          | E, WB, SDS-PAGE, MS |
| Description                                                                                                                                                                                                                                                                                                                           | Recombinant Human KLK8 Protein is produced by Mammalian expression system and the target gene encoding Gln29-GLy260 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 8.0.                                                                                                                                                                                                           |            |                     |
| Gene Symbol                                                                                                                                                                                                                                                                                                                           | KLK8                                                                                                                                                                                                                                                                                 |            |                     |
| Alternative Names                                                                                                                                                                                                                                                                                                                     | NRPN; PRSS19; TADG14; Kallikrein-8; hK8; Neuropsin; NP; Ovasin; Serine protease 19; Serine protease TADG-14; Tumor-associated differentially expressed gene 14 protein                                                                                                               |            |                     |
| Entrez Gene                                                                                                                                                                                                                                                                                                                           | 11202 (Human)                                                                                                                                                                                                                                                                        |            |                     |
| SwissProt                                                                                                                                                                                                                                                                                                                             | O60259 (Human)                                                                                                                                                                                                                                                                       |            |                     |
| Purity                                                                                                                                                                                                                                                                                                                                | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.                                                                                                                                                                                                                    |            |                     |
| Chemical Structure                                                                                                                                                                                                                                                                                                                    | QEDKVLGGHE CQPHSQPWQA ALFQGQQLLC GGVLVGGNWWV LTAAHCKKPK<br>YTVRLGDHSL QNKDGPEQEI PVVQSIPHPC YNSSDVEDHN HDLMLLQLRD QASLGSKVKP<br>ISLADHCTQP GQKCTVSGWG TVTSPRENF DTLNCAEVKI FPQKKCEDAY PGQITDVMVC<br>AGSSKGADTC QGDSGGPLVC DGALQGITSW GSDPCGRSDK PGVYTNICRY LDWIKKIIGS<br>KGVDHHHHHHH |            |                     |
| 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 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                                                                                                                                                                                                       |            |                     |
| 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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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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