

# Product Data Sheet

## Recombinant Human ACE2 Protein

| Catalog #                 | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Reactivity | Applications        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
| CRP1003                   | Human cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H          | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human ACE2 Protein is produced by Mammalian expression system and the target gene encoding Gln18-Ser740 is expressed with a 6His tag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                     |
| <b>Form</b>               | Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 300mM NaCl, 1mM ZnCl <sub>2</sub> , 10% Glycerol, pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                     |
| <b>Gene Symbol</b>        | ACE2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                     |
| <b>Alternative Names</b>  | Angiotensin-converting enzyme 2; ACE-related carboxypeptidase; Angiotensin-converting enzyme homolog; ACEH; Metalloprotease MPROT15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                     |
| <b>Entrez Gene</b>        | 59272 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                     |
| <b>SwissProt</b>          | Q9BYF1 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                     |
| <b>Chemical Structure</b> | QSTIEEQAKT FLDKFNHEAE DLFYQSSLAS WNYNTNITEE NVQNMNNAGD KWSAFLKEQS<br>TLAQMYPLQE IQNLTVKLQL QALQQNGSSV LSEDKSKRLN TILNTMSTIY STGKVCNPDN<br>PQECLLLEPG LNEIMANSLD YNERLWAWES WRSEVGKQLR PLYEEYVVLK NEMARANHYE<br>DYGDYWRGDY EVNGVDGYDY SRGQLIEDVE HTFEEIKPLY EHLHAYVRAC LMNAYPSYIS<br>PIGCLPAHLL GDMWGRFWTN LYSLTVPFGQ KPNIDVTDAM VDQAWDAQRI FKEAEKFFVS<br>VGLPNMTQGF WENSMLTDPG NVQKAVCHPT AWDLGKGDGR ILMCTKVTMD<br>DFLTAHHEMG HIQYDMAYAA QPFLLRNGAN EGFHEAVGEI MSLSAATPKH LKSIGLLSPD<br>FQEDNETEIN FLLKQALTIV GTLPFTYMLE KWRWMVFKGE IPKDQWMKKW<br>WEMKREIVGV VEPVPHDETY CDPASLFHVS NDYSFIRYYT RTLYQFQFQE ALCQAAKHEG<br>PLHKCDISNS TEAGQKLFNM LRLGKSEPWT LALENVVGAK NMNVRPLLNY FEPLFTWLKD |            |                     |

**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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QNKNSFVGWS TDWSPYADQS IKVRISLKSA LGDKAYEWNND NEMYLFRSSV AYAMRQYFLK  
VKNQMILFGE EDVRVANLKP RISFNFFVTA PKNVSDIIPR TEVEKAIRMS RSRINDAFRL  
NDNSLEFLGI QPTLGPPNQP PVSVDHHHHH H

### 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 aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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