

Recombinant Human ACE2 Protein

| Catalog # | Source | Reactivity | Applications |
|-----------|-------------|------------|---------------------|
| CRP1003 | Human cells | Human | E, WB, SDS-PAGE, MS |

Description Recombinant Human ACE2 Protein is produced by our Mammalian expression system and the target gene encoding Gln18-Ser740 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 300mM NaCl, 1mM ZnCl₂, 10% Glycerol, pH7.4.

Gene Symbol ACE2

Alternative Names Angiotensin-converting enzyme 2; ACE-related carboxypeptidase; Angiotensin-converting enzyme homolog; ACEH; Metalloprotease MPROT15

Entrez Gene 59272 (Human)

SwissProt Q9BYF1 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure QSTIEEQAKT FLDKFNHEAE DLFYQSSLAS WNYNTNITEE NVQNMNNAGD KWSAFLKEQS
 TLAQMYPLQE IQNLTVKLQL QALQQNGSSV LSEDKSKRLN TILNTMSTIY STGKVCNPDN
 PQECLLLEPG LNEIMANSLD YNERLWAWES WRSEVGKQLR PLYEEYVVLK NEMARANHYE
 DYGDYWRGDY EVNGVDGYDY SRGQLIEDVE HTFEEIKPLY EHLHAYVRAC LMNAYPSYIS
 PIGCLPAHLL GDMWGRFWTN LYSLTVPGQ KPNIDVTDAM VDQAWDAQRI FKEAEKFFVS
 VGLPNMTQGF WENSMLTDPG NVQKAVCHPT AWDLGKGDFR ILMCTKVTMD
 DFLTAHHEMG HIQYDMAYAA QPFLLRNGAN EGFHEAVGEI MSLSAATPKH LKSIGLLSPD
 FQEDNETEIN FLLKQALTIV GTLPFTYMLE KWRWMVFKGE IPKDQWMKKW
 WEMKREIVGV VEPVPHDETY CDPASLFHVS NDYSFIRYYT RTLYQFQFQE ALCQAAKHEG
 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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Product Data Sheet

QNKNSFVGWS TDWSPYADQS IKVRISLKSA LGDKAYEWND 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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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