

## Angiotensin I Converting Enzyme 2 (ACE2) Protein | ACE2 protein

Eukaryotic Angiotensin I Converting Enzyme 2 (ACE2)

|                               |                           |                                               |
|-------------------------------|---------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA150628</b> | HOST<br><b>293F cells</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|---------------------------|-----------------------------------------------|

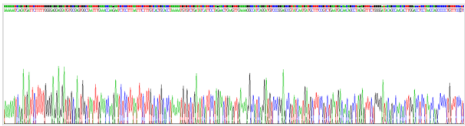
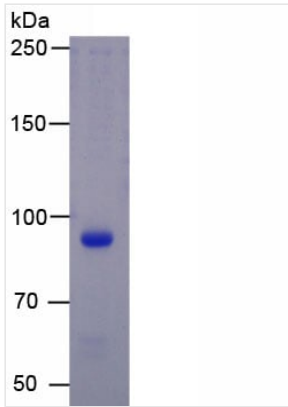
### PRODUCT SYNONYMS

Angiotensin I Converting Enzyme 2 (ACE2); Eukaryotic Angiotensin I Converting Enzyme 2 (ACE2); Angiotensin I Converting Enzyme 2; ACEH; ACEII; ACE-II; Peptidyl-Dipeptidase A; ACE-related carboxypeptidase; Angiotensin-converting enzyme homolog; Metalloprotease MPROT15; ACE2 protein

### PRODUCT SPECIFICATIONS

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                     | 293F cells                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                      | >97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                              | Freeze-dried powder<br>20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                             |
| Sequence                                 | Gln18~Ser7 40                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for ACE2 protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source                                   | Eukaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species                                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag                                      | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Endotoxin                                | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isoelectric Point                        | 5.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Subcellular Location                     | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage                                    | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                  | Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

IMAGES



Gene Sequence  
Figure. Gene Sequencing (extract)

SDS-PAGE  
Figure. SDS-PAGE

```
QST IEEQAKTFLD KFNHEAEDLF YQSSLASWNY
NTNITEENVQ NMNAGDKWS AFLKEQSTLA QMYPLQEIQN LTVKLQLQAL
QQNGSSVLSE DKSRLNTIL NTMSTIYSTG KVCNPNPQE CLLLEPGLNE
IMANSLDYNE RLWAWESWRS EVGKQLRPLY EEVVLKNEM ARANHYEDYG
DYMRGDYEVN GVDGYDYSRG QLIEDVEHTF EEIKPLYEHL HAYVRAKLMN
AYPSYISPIG CLPAHLLGDM WGRFWNLYS LTVPFQKPN IDVTDAMVDQ
AWDAQRIFFE AEKFFVSVGL PNMTQGFWE SMLTDPGNVQ KAVCHPTAWD
LGKGDFRILM CTKVTMDDL TAHHEMGIQ YDMAYAAQPF LLRNGANEGF
HEAVGEIMSL SAATPKHLKS IGLLSPDFQE DNETEINFLL KQALTIVGTL
PFTYMLEKWR WMVFKGEIPK DQWMKKWEM KREIVGVVEP VPHDETYCDP
ASLFHVSNDY SFIRYYTRL YQFQFEALC QAAKHEGPLH KCDISNSTEA
GQKLFNMLRL GKSEPTLAL ENVVGAKNMN VRPLLNYFEP LFTWLKDQNK
NSFVGWSTDW SPYADQSIKV RISLKSALGD KAYEWNDEM YLFRSSVAYA
MRQYFLKVKV QMILFGEEDV RVANLKPRIS FNFFVTAPKN VSDIIPRTEV
EKAIRMSRSR INDAFRLNDN SLEFLGIQPT LGPPNQPPVS
```

Sequence

ADDITIONAL INFORMATION

|                                            |                                                                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for ACE2 protein | Enzyme & Kinase; Metabolic pathway; Endocrinology; Cardiovascular biology; Neuro science; Hepatology; Eukaryotic proteins/EP |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11225609                                                                                                                                                                                                          |
| NCBI GeneID                      | 59272                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_068576.1                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_021804.2                                                                                                                                                                                                       |
| UniProt Accession #              | Q9BYF1; Q6UWP0; Q86WT0; Q9NRA7; Q9UFZ6; C7ECU1                                                                                                                                                                    |
| Molecular Weight                 | 92,463 Da                                                                                                                                                                                                         |
| NCBI Official Full Name          | angiotensin-converting enzyme 2                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | angiotensin I converting enzyme 2                                                                                                                                                                                 |
| NCBI Official Symbol             | ACE2                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | ACEH                                                                                                                                                                                                              |
| NCBI Protein Information         | angiotensin-converting enzyme 2; peptidyl-dipeptidase A; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin-converting enzyme homolog; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 |
| UniProt Protein Name             | Angiotensin-converting enzyme 2                                                                                                                                                                                   |
| UniProt Gene Name                | ACE2                                                                                                                                                                                                              |

|                            |            |
|----------------------------|------------|
| UniProt Synonym Gene Names | ACEH       |
| UniProt Entry Name         | ACE2_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/293f-cells-protein/angiotensin-i-converting-enzyme-2-ace2/150628>