# Recombinant Human ACE2 Protein, His-tagged

**Cat. No.** ACE2-735H **Lot. No.** (See product label)

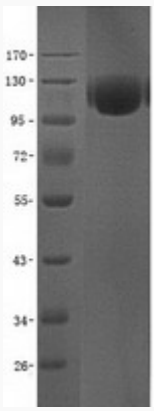
## SPECIFICATION

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| **Product Overview** | Recombinant protein of human angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 (ACE2) with a C-His tag was expressed in HEK293T. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63. |
| **Molecular Mass** | 84.6 kDa |
| **Endotoxin** | < 0.1 EU per μg protein as determined by LAL test. |
| **Purity** | >95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 20mM Tris-HCl, 150mM NaCl, 0.1mM ZnCl2, 10% Glycerol, pH 7.5. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

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|---|---|
| **Gene Name** | ACE2 angiotensin I converting enzyme 2 [ Homo sapiens (human) ] |
| **Official Symbol** | ACE2 |
| **Synonyms** | ACE2; angiotensin I converting enzyme 2; ACEH; angiotensin-converting enzyme 2; ACE-related carboxypeptidase; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme homolog; metalloprotease MPROT15; peptidyl-dipeptidase A; EC 3.4.17.23 |
| **Gene ID** | 59272 |
| **mRNA Refseq** | NM_021804 |
| **Protein Refseq** | NP_068576 |
| **MIM** | 300335 |
| **UniProt ID** | Q9BYF1 |




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