

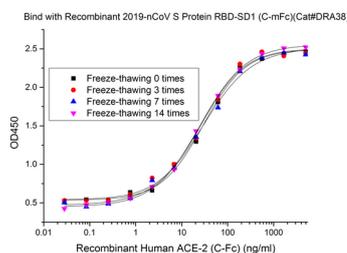
Product Name: Recombinant Human ACE-2 (C-Fc)
Catalog #: PHH2226



Summary

| | |
|---------------------------------|---|
| Name | ACE-2/Angiotensin-Converting Enzyme 2 |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | <1 EU/μg as determined by LAL test. |
| Construction | Recombinant Human Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Ser740 is expressed with a human IgG1 Fc tag at the C-terminus. |
| Accession # | Q9BYF1 |
| Host | Human Cells |
| Species | Human |
| Predicted Molecular Mass | 110.5 KDa |
| Formulation | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 300mM NaCl, 10% Glycerol, 100mM Glycine, pH7.4. |
| Shipping | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| Stability&Storage | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Reconstitution | |

SDS-PAGE image



Alternative Names

Angiotensin-Converting Enzyme 2; ACE-Related Carboxypeptidase; Angiotensin-Converting Enzyme Homolog; ACEH; Metalloprotease MPROT15; ACE2

Background

Angiotensin-Converting Enzyme 2 (ACE-2) is an integral membrane protein and a zinc metalloprotease of the ACE family, the ACE

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family includes somatic and germinal ACE. ACE-2 cleaves angiotensins I and II as a carboxypeptidase, ACE-2 converts angiotensin I to angiotensin 1-9, and angiotensin II to angiotensin 1-7. ACE-2 is also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. ACE-2 can be high expressed in testis, kidney and heart, in colon, small intestine and ovary at moderate levels. Captopril and lisinopril as the classical ACE inhibitor don't inhibit ACE-2 activity. ACE-2 may play an important role in regulating the heart function.

Note

For Research Use Only , Not for Diagnostic Use.