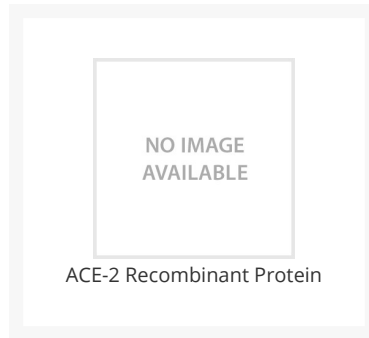




ACE-2 Recombinant Protein

Cat. No.: 91-376



Ψ Specifications

| | |
|------------------------------------|------------------------------------------------------------------------------------|
| SPECIES: | Human |
| SOURCE SPECIES: | Human Cells |
| SEQUENCE: | Gln18-Ser740 |
| FUSION TAG: | C-6 His tag |
| TESTED APPLICATIONS: | |
| APPLICATIONS: | This recombinant protein can be used for biological assays. For research use only. |
| PREDICTED MOLECULAR WEIGHT: | 84.63 kD |

Ψ Properties

| | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PURITY: | Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test. |
| PHYSICAL STATE: | Liquid |
| BUFFER: | Supplied as a 0.2 um filtered solution of 20mM TrisHCl, 150mM NaCl, 0.1mM ZnCl2, 10% Glycerol, pH 7.5. It is not recommended to reconstitute to a concentration less than 100 ug/ml. |

STORAGE CONDITIONS:

Store at -20°C, stable for 6 months after receipt.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Ψ Additional Info

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| OFFICIAL SYMBOL: | ACE2 |
| ALTERNATE NAMES: | Angiotensin-Converting Enzyme 2, ACE-Related Carboxypeptidase, Angiotensin-Converting Enzyme Homolog, ACEH, Metalloprotease MPROT15, ACE2 |
| ACCESSION NO.: | Q9BYF1 |
| GENE ID: | 59272 |

Ψ Background and References

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BACKGROUND: | <p>Angiotensin-Converting Enzyme 2 (ACE-2) is an integral membrane protein and a zinc metalloprotease of the ACE family, the ACE 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.</p> |
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