ATAGENIX LABORATORIES

Catalog Number:ATMP02480HU

Recombinant Human ACE2 protein

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ATMP02480HU

description

Recombinant Human ACE2 is produced by Mammalian cells expression system and the target gene encoding Met1-Ser740 is expressed without Tag

Expression system

Mammalian cells

Species

Homo sapiens (Human)

Accession

NP_001358344.1 or Uniprot Q9BYF1

Alternative names

ACE-related carboxypeptidase,Angiotensin-converting enzyme homolog,Metalloprotease MPROT15

Predicted Molecular Mass

85.2kDa

Purity

>90% as determined by SDS-PAGE

Endotoxin level

Please contact with the lab for this information

Formulation

Supplied as solution form in TBS,pH8.0/ Supplied as lyophilized from TBS,pH8.0

Shipping

In general, proteins are shipped out with blue ice unless customers require otherwise.

Stability &Storage

Use a manual defrost freezer and avoid repeated freeze thaw cycles.

Store at 2 to 8 °C for one week .

Store at -20 to -80 °C for twelve months from the date of receipt.

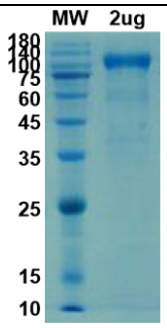
Reconstitution

Please refer to the instraction in the hard copy of COA.

Application

Immunogen

SDS-PAGE image



SDS-PAGE Image

Background

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.

Form

Recombinant Human ACE2 protein

Note

For research use only .Not for use in clinical diagnostic procedures.

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