

Product Details

Summary

Product name	Recombinant Human ACE2 protein
Catalog#	ATEP02477HU
description	Recombinant Human ACE2 is produced by E.coli expression system and the target gene encoding Leu392-Ser740 is expressed with N-His Tag
Expression system	E.coli
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	42.71kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information.
Formulation	Supplied as solution form in PBS, pH7.5 or lyophilized from PBS, pH7.5
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 instruction in the hard copy of COA.
Application	Immunogen

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.



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Note

For research use only.

