

## Recombinant Human ACE-2 (C-Fc)

Catalog No: #AP89518

Package Size: #AP89518-1 10ug #AP89518-2 50ug #AP89518-3 500ug #AP89518-4 1mg

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human ACE-2 (C-Fc)
Brief Description	Recombinant Proteins
Purification	Greater than 95% as determined by reducing SDS-PAGE.
Other Names	Angiotensin-Converting Enzyme 2; ACE-Related Carboxypeptidase; Angiotensin-Converting Enzyme Homolog; ACEH; Metalloprotease MPROT15; ACE2
Accession No.	Uniprot ID: Q9BYF1
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GeneID	59272;
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

## Application Details

Expression Region: Recombinant Human Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Ser740 is expressed with a Fc tag at the C-terminus.

Relevance: 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.

Storage Buffer: Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 300mM NaCl, 1mM ZnCl<sub>2</sub>, 10% Glycerol, pH 7.4.

Note: This product is for in vitro research use only