

Recombinant Human ACE2 protein

CatalogNo: YD2195

Key Features

Reactivity

- Human

MW

- 86kD (Calculated)
- 100-110kD (Observed)

Storage

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.

Recommended Dilution Ratios

Basic Information

Source	Mammalian cells
Purification	Mammalian cells
Purity	>90% as determined by SDS-PAGE

Immunogen Information

Target Information

Gene name ACE2

Protein Name ACE-related carboxypeptidase Angiotensin-converting enzyme homolog Metalloprotease MPROT15

Organism	Gene ID	UniProt ID
Human	NP_001358344.1 or Q9BYF1 ;	Q9BYF1 ;
Mouse		Q8R0I0 ;

Function 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.

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:
Recombinant Human ACE2 protein

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