

# Recombinant Human ACE2 protein

CatalogNo: YD2195

## Key Features

### Reactivity

- Human

### MW

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

### Applications

- ELISA, ECL, Immunogold,

## Recommended Dilution Ratios

Testing in progress

## 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.

## 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	<a href="#">NP_001358344.1 or Q9BYF1</a> ;	<a href="#">Q9BYF1</a> ;
Mouse		<a href="#">Q8R0I0</a> ;

**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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**Recombinant Human ACE2 protein**

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