

# **Human ACE2, Fc Tag, HEK293**

**Catalog Number** LDG009PHM

 $5~\mu g$  /  $20~\mu g$  /  $100~\mu g$  / Customized package **Package** 

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## **Specifications**

**Species of Origin** 

Human

**Affinity Tag** 

Mouse IgG2b Fc Tag (C-term)

**Purity** 

>98% as determined by SDS-PAGE analysis.

**Endotoxin Level** 

< 0.1 EU per 1  $\mu g$  of the protein by the LAL method.

**Expression System** 

HEK293 cell

**Storage Buffer** 

Lyophilized from a 0.2  $\mu m$  filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 109.67 kDa. The protein migrates as 120-170 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

## **Background**



### **Background**

Angiotensin-Converting Enzyme 2 (ACE2) has a function as an enzyme that hydrolysis the angiotensin II into angiotensin which do the effect of anti-oxidation and anti-inflammatory in cardiovascular system through the inhibition of MAPK pathway and TGF  $\beta$  signaling pathway. ACE2 is highly expression in intestines, kidney, and heart. It is also fouud highy expression in patients with lung cancer.

#### **Uniprot ID**

#Q9BYF1

#### **Synonyms**

Angiotensin-converting enzyme 2, Angiotensinconverting enzyme homolog, ACEH, Angiotensinconverting enzyme-related carboxypeptidase, ACE-related carboxypeptidase, Metalloprotease MPROT15

#### **Sequence Note**

Gln18-Ser740

#### Instruction

#### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolved.

#### **Stability & Storage**

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

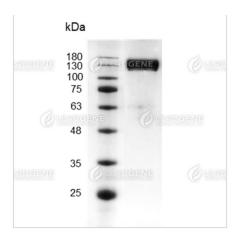
Avoid repeated freeze/thaw cycles.

### **Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

### **Image**





SDS-PAGE analysis of recombinant human ACE2.

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