

For Research Use Only

# Recombinant Human ACE protein (rFc Tag)



Catalog Number: Eg2298

## Basic Information

**ED50:**  
/

**GeneID:**  
1636

**Species:**  
Human

**Accession:**  
P12821-1

**Purity:**  
>95 %, SDS-PAGE

## Technical Specifications

**Purity:**  
>95 %, SDS-PAGE

**Endotoxin Level:**  
<1.0 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human ACE protein Leu30-Arg1256 (Accession# P12821-1) with a rabbit IgG Fc tag at the C-terminus.

**Predicted Molecular Mass:**  
167.2 kDa

**SDS-PAGE:**  
140-220 kDa, reducing (R) condition

**Formulation:**  
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

ACE(Angiotensin-converting enzyme) is also named as DCP, DCP1 and belongs to the peptidase M2 family. It is involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. ACE also has a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. It has 4 isoforms produced by alternative splicing. The full length protein has 15 glycosylation sites and it can show a molecular weight of 170 kDa(PMID:16804085).

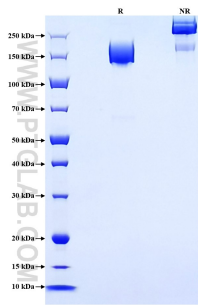
## References

- 1.Bernstein,K.E.et al.(2012) Pharmacol.Rev.65,1-46.
- 2.Gribouval,O.et al.(2011) Hum.Mut.33,316-326.
- 3.Danilov,S.M.et al.(2010) J.Proteome Res.9,5782-5793.
- 4.Danilov,S.M.et al.(2018) Mol.Genet.Metab.123,501-510.
- 5.Kozuch,A.J.et al.(2023) Biomedicines.11,953.

## Synonyms

ACE,ACE1,Angiotensin converting enzyme,Angiotensin

## Selected Validation Data



Purity of Recombinant Human ACE was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.