

Active Recombinant Rat Ace2 protein(Met1-Thr740), His-tagged

Cat. No. Ace2-1194R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ACE2 (Q5EGZ1)(Met 1-Thr 740) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Thr740
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK(Dnp)-OH. The specific activity is >300 pmol/min/μg.
Molecular Mass	The recombinant rat ACE2 comprises 734 amino acids and predicts a molecular mass of 85 kDa. The apparent molecular mass of the rat ACE2 is approximately 105-115 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Ace2 angiotensin I converting enzyme \(peptidyl-dipeptidase A\) 2 \[Rattus norvegicus \]](#)

Official Symbol [Ace2](#)

Synonyms

ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme 2; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; renal angiotensin-converting enzyme 2; anigotensin-converting enzyme-related carboxypeptidase;

Gene ID [302668](#)

mRNA Refseq [NM_001012006](#)

Protein Refseq [NP_001012006](#)

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