

Rat ACE2 / Angiotensin-Converting Enzyme 2 (His Tag) recombinant protein



Catalog Number: 500718

General Information

Gene Name Synonym

ACE-related carboxypeptidase; Processed angiotensin-converting enzyme 2

Protein Construction

A DNA sequence encoding the rat ACE2 (Q5EGZ1) extracellular domain (Met 1-Thr 740) was fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK(Dnp)-OH, (R&D Systems, Catalog # ES007). The specific activity is >300 pmol/min/μg.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gln 18

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.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

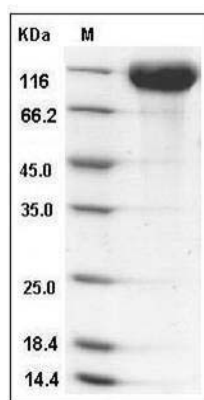
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat ACE2 / Angiotensin-Converting Enzyme 2 Protein (His Tag) SDS-PAGE