Rhesus ACE2 / Angiotensin-Converting Enzyme 2 (Fc Tag) recombinant protein



Catalog Number: 500826

General Information

Protein Construction

A DNA sequence encoding the rhesus ACE2 (ACI04564.1) (Met1-Val739) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Rhesus

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK (Dnp)-OH (Catalog # ES007). The specific activity is >250 pmol/min/µg.

Purity

(92.8+4.3) % 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 $-70^{\circ}C$

Predicted N terminal

Gln 18

Molecular Mass

The recombinant rehesus ACE2 is comprises 963 amino acids and has a calculated molecular mass of 110.7

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

| KDa | M |
|------|----|
| 116 | |
| 66.2 | |
| 45.0 | |
| 35.0 | |
| 25.0 | |
| 18.4 | - |
| 14.4 | 24 |

Cynomolgus ACE2 / Angiotensin-Converting Enzyme 2 Protein (Fc Tag) SDS-PAGE