SARS CoV Spike glycoprotein/SARS (Receptor Binding Domain, His Tag)

Catalog Number: 504183

General Information

Protein Construction

A DNA sequence encoding the receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike (AAX16192.1) (Arg306-Phe527) was expressed with a C-terminal polyhistidine tag.

Organism

SARS

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 95 % 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℃

Predicted N terminal

Arg 306

Molecular Mass

The recombinant receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike comprises 233 amino acids and has a predicted molecular mass of 26.5 kDa. The apparent molecular mass of the protein is approximately 35.1 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.0.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

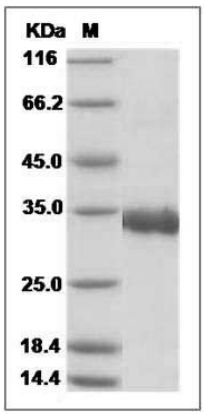
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



Human SARS Coronavirus Spike Protein (Receptor Binding Domain, His Tag) SDS-PAGE