

Recombinant SARS-CoV S-trimer Protein (C-6His)

Catalog Number:PKSV030289



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	SARS-CoV S-trimer Protein;SARS-CoV Sprotein;SARS-CoV Spike glycoprotein;SARS-CoV S glycoprotein
Species	SARS
Expression Host	HEK293 Cells
Sequence	Ser14-Gln1190
Accession	P59594
Calculated Molecular Weight	134.9 kDa
Observed molecular weight	170-220 kDa
Tag	C-His
Bioactivity	Immobilized SARS-CoV S-trimer Protein-His(PKSV030289) at 5µg/ml (100 µl/well) can bind Human ACE-2- Fc(PKSR030492). The ED50 of Recombinant Human ACE-2- Fc(PKSR030492) is 33. 26 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Background

The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain

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