

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

Catalog Number: PKSV030289

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

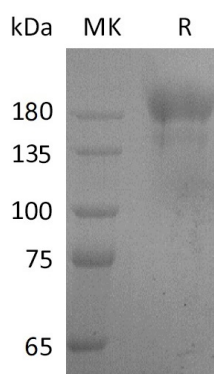
Description

| | |
|----------------------|--|
| Species | SARS |
| Source | HEK293 Cells-derived SARS Spike protein Ser14-Gln1190, with an C-terminal His |
| Calculated MW | 134.9 kDa |
| Observed MW | 170-220 kDa |
| Accession | P59594 |
| Bio-activity | Immobilized SARS-CoV S-trimer Protein-His(PKSV030289) at 5µg/ml (100 µl/well) can bind Human ACE-2- Fc(PKSR030492). The ED ₅₀ of Recombinant Human ACE-2- Fc(PKSR030492) is 33. 26 ng/ml. |

Properties

| | |
|----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Concentration | Subject to label value. |
| 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. |

Data



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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