Recombinant SARS-COV-2 Spike S Trimer (D614G) Protein (His&Avi Tag)

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Cat. No. **bs-46014P**

Description

Protein Sequence	SARS-COV-2 Spike S Trimer (D614G) Protein is expressed with a His-tag and Avi at the C-terminal (Val16-Glu1188).
Source	Mammalian Expression System
Accession	QHD43416.1
Mol wt	The protein has a predicted MW of 136.7 kDa. Due to glycosylation, the protein migrates to 175-230KDa based on the Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE >95%as determined by HPLC
Activity assay	Not tested.

Formulation and Storage

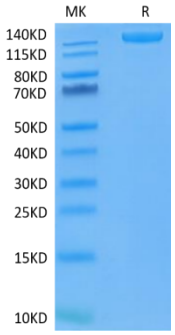
Formulation	Lyophilized powder (Lyophilized from 0.22um filtered solution in 20mM PB (pH 7.4). 5% trehalose is added as protectant before lyophilization.)
Storage	The product should be stored at -70℃ or -20℃.

Background

The SARS-CoV-2 spike (S) protein variant D614G supplanted the ancestral virus worldwide, reaching near fixation in a matter of months. Recently, that D614G was been found more infectious than the ancestral form on human lung cells, colon cells, and on cells rendered permissive by ectopic expression of human ACE2 or of ACE2 orthologs from various mammals, including Chinese rufous horseshoe bat and Malayan pangolin.

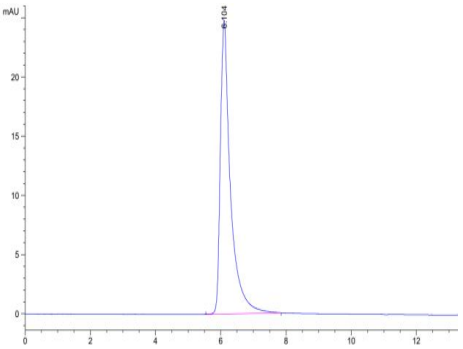
Assay Data

Tris-Bis PAGE



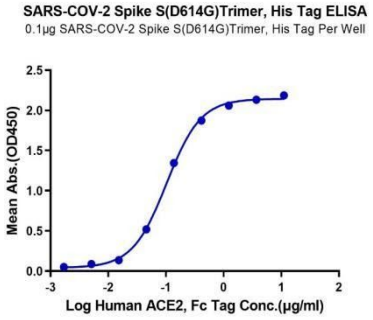
Recombinant SARS-COV-2 Spike S Trimer (D614G) Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

HPLC Data



The purity of SARS-COV-2 Spike S Trimer (D614G) Protein is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized SARS-COV-2 Spike S(D614G)Trimer, His Tag at 1μg/ml (100μl/Well) on the plate. Dose-response curve for Human ACE2, Fc Tag with the EC50 of 0.1ug/ml determined by ELISA.