Datasheet

SARS-CoV-2 full-length Trimeric Spike Recombinant Antigen B.1.617.2 Mutation (Delta Variant)

Catalogue No:	BSV-COV-PR-97	BSV-COV-PR-98	BSV-COV-PR-99
Pack Size:	100 µg	1 mg	10 mg
Product Name:	SARS-CoV-2 full-length Trimeric Spike Recombinant Antigen B.1.617.2 Mutation (Delta Variant)		
WHO Label:	Delta		
Description:	Spike protein of the mutant strain B.1.617.2, also commonly known as the “Delta Variant”. It is a full-length protein, which is active in its native trimeric form, that is stabilized in LMNG detergent.		
Alternative Name:	SPIKE_SARS2 Spike glycoprotein		
UniProt No:	P0DTC2		
Protein Class:	Single span transmembrane protein		
Organism:	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)		
Sequence:	Full-length sequence (aa 1 – 1273), T19R, Del 157-158, L452R, T478K, D614G, P681R, D950N furin cleavage site “RRAR” mutated to “GSAG”; K986P, V987P		
Host:	Expressed in HEK293 Expi cells		
Size (Trimeric):	3 x 142 kDa = 426 kDa		
Buffer:	20 mM Hepes pH 7.5; 150 mM NaCl, 0.001% LMNG		
Form:	Liquid		
Function:	Host cell surface receptor binding; fusion of virus membrane with host endosome membrane		

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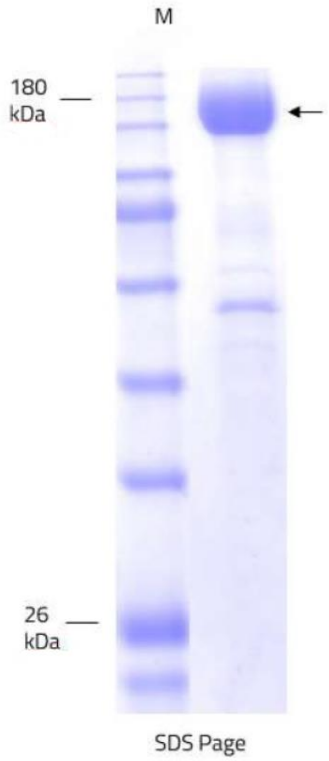
Purity:	>98% as determined by SDS-PAGE.  **Fig 1: Size, purity and oligomerization state of CoV-2 spike protein assessed by SDS-PAGE.**
Activity:	Not Determined
Applications:	ELISA assays, Ligand Binding assays, Biochemical & Biophysical analyses
Shipping:	Dry ice
Storage:	-80°C. Avoid freeze-thaw cycles.
Background:	Primarily detected in India and classified as a variant of concern, the B.1.617.2 variant has substitutions T478K, L452R & P681R due to mutations within the gene encoding the spike protein. These have enhanced transmissibility and evasion of neutralized antibodies.

Disclaimer: Our products are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

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