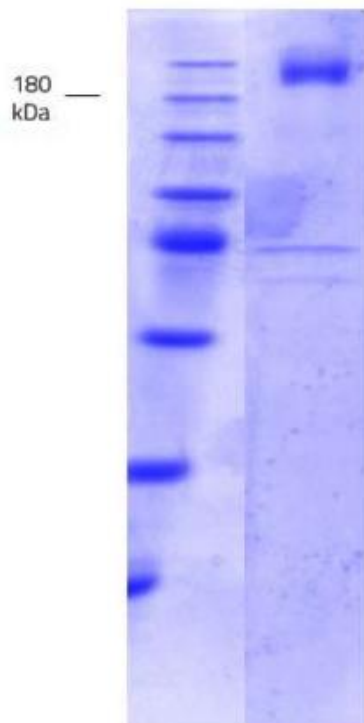


Datasheet

SARS-CoV-2 full-length Trimeric Spike Recombinant Antigen B.1.1.529 Mutation (Omicron Variant)

Catalogue No:	BSV-COV-OM-0.1	BSV-COV-OM-1	BSV-COV-OM-10
Pack Size:	100 µg	1 mg	10 mg
Product Name:	SARS-CoV-2 full-length Trimeric Spike Recombinant Antigen B.1.1.529 Mutation (Omicron Variant)		
WHO Label:	Omicron		
Description:	Spike protein of the mutant strain B.1.1.529, also commonly known as the "Omicron 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), A67V; H69del; V70del; T95I; G142D; V143del; Y144del; Y145del; N211del; L212I; INS 214EPE; G339D; S371L; S373P; S375F; K417N; N440K; G446S; S477N; T478K; E484A; Q493K; G496S; Q498R; N501Y; Y505H; T547K; D614G; H655Y; N679K; P681H; N764K; D796Y; N856K; Q954H; N969K; L981F		
Host:	furin cleavage site "RRAR" mutated to "GSAG"; K986P V987P 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		

>98% as determined by SDS-PAGE



Purity:

SDS Page

Fig 1. Size and purity of CoV-2 spike protein B.1.1.529 Omicron assessed by SDS-PAGE

Activity:	Not Determined
Applications:	ELISA assays, Ligand Binding assays, Biochemical & Biophysical analyses & Lateral Flow assays
Shipping:	Dry Ice
Storage:	-80°C. Avoid freeze-thaw cycles

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