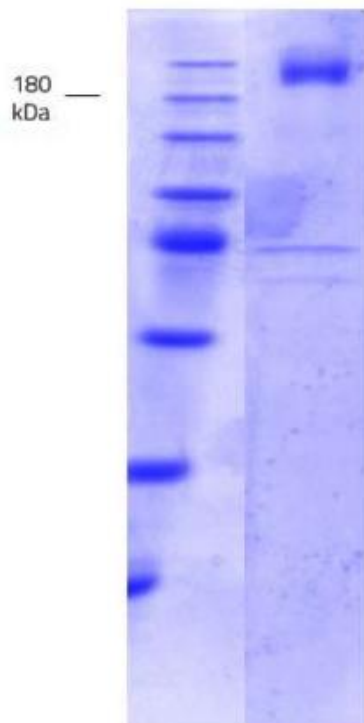


Datasheet

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.