

Datasheet

SARS-CoV-2 (Soluble Spike), His-Tag (CHO)

Description:

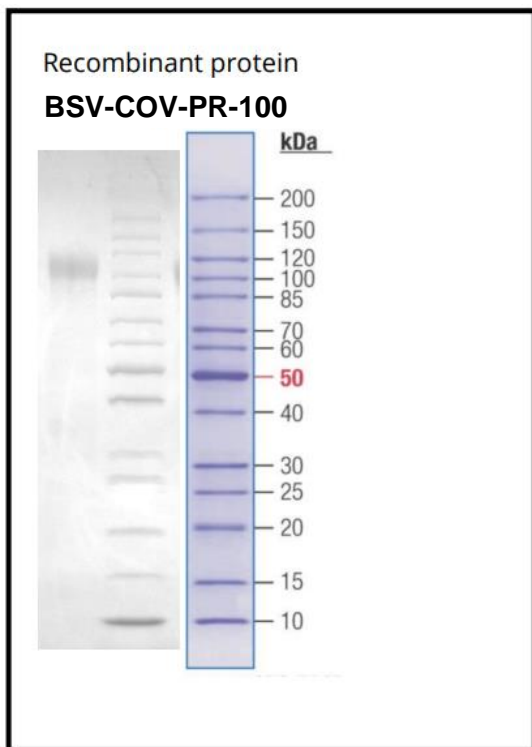
A recombinant form of spike protein from severe acute respiratory syndrome-related coronavirus (SARS-CoV-2), Wuhan-Hu-1-isolate (MN908947), which is produced under serum-free conditions in CHO cells.

The construct contains the SARS-CoV-2 Spike protein, representing amino acid residues 1 to 1213 of before mentioned annotation. The protein contains a mutated polybasic/ furin cleavage site (682-RRAR-685) to Alanine, and mutations K986P / V987P for stabilization of the protein. The C-terminal transmembrane domain and endodomain were replaced by a thrombin cleavage site, a T4 trimerization site and a C-terminal hexa-His-tag. The recombinant protein is purified using immobilized metal exchange chromatography (IMAC) and preparative SEC (for polishing).

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|-----------------------------------|----------------------------------------------------------------------------------|
| Product Code: | BSV-COV-PR-100 |
| Expression System: | Mammalian; CHO |
| Protein Accession Number: | QHD43416.1 (GenBank) |
| Amino Acids: | 1-1213 |
| Tag: | 6 x His-Tag; C-terminal |
| Expected Molecular Weight: | 138 kDa (glycosylated form of Soluble Spike CHO runs at 100-150 kDa in SDS-Page) |
| Formulation: | Liquid, 20 mM NaPP, 300 mM NaCl pH 7.2 |
| Concentration: | > 0.5 mg/mL |

The product is for research use or for further manufacturing only.

Protein Mass (SDS-PAGE, under reducing conditions):



ELISA:

