

# Recombinant SARS-CoV-2 Spike Protein (B.1.1.7 Variant) (Functional) (A270600)

## Specifications:

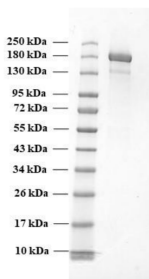
Name:	Recombinant SARS-CoV-2 Spike Protein (B.1.1.7 Variant) (Functional)
Description:	Full-length soluble protein with foldon trimerization motif, mutated Furin recognition site and 4 stabilising mutations (A892P, A942P, K986P and V987P), based on/modified from Amanat et al, 2020 (PMID: 32398876) and Hsieh et al, 2020 (PMID: 32703906).
Applications:	WB, SDS-PAGE, Immunoassays, Functional Studies
Expression System:	HEK293 cells.
Protein Species:	SARS-CoV-2
Protein Length:	Protein fragment.
Sequence:	VNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAISGTNG TKRFDNPVLPFNDGVYFASTEKSNIRGWIFGTTLDLSDKTSLLIVNNATNVVIKVECF QFCNDPFLGVYHKNNKSWMESEFRVYSSANNCTFEYVSQPFLMDLEGKQGNFKNLREF VFKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQTLALHRSYLT PGDSSSGWTAGAAAYVGYLQPRFTLLKYNENGTITDAVDCALDPLSETKCTKSFTV EKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYS VLNSASFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYK LPDDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNG VEGFNCYFPLQSYGFQPTYGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVN FNFNGLTGTGVLTESNKKFLPFQQFGRDIDDTDAVRDPQTLTILEIDITPCSFSGGVSVI TPGTNTSNQVAVLYQGVNCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAEHV NNSYECDIPIGAGICASYQTQTNSHRGAGSVASQSIIAYTMSLGAENSVAYSNNNSIAI PINFTISVTTEILPVSMTKTSVDCTMYICGDSTECNLLLQYGSFCTQLNRALTGIAV EQDKNTQEVFAQVKQIYKTPPIKDFGGFNFSQILPDPSPKPSKRSFIEDLLFNKVTLD AGFIKQYGDCLGDIARDLCAQKFNGLTVLPPLLTDEMIAQYTSALLAGTITSGWTF GAGPALQIPFAMQMAYRFNGIGVTQNVLYENQKLIANQFNSAIGKIQDSLSTPSALG KLQDVVNQNAQALNTLVKQLSSNFGAISSVLNDILARLDPPEAEVQIDRLITGRLQSL QTYVTQQLIRAAEIRASANLAATKMSECVLGQSKRVDFCGKGYHLMSPQSAPHGVVF LHVTYVPAQEKNFTTAPAICHGKAHFPREGVFSNGTHWFVTQRNFYEPQIITHTHT FVSGNCDVVIGIVNNTVYDPLQPELDSFKEELDKYFKNHTSPDVDLGDISGINASVVN IQKEIDRLNEVAKNLNESLIDLQELGKYEQYIKGSGSGYIPEAPRDGQAYVRKDGGEVV LLSTFLGSGHHHHHHHH
Amino Acids:	16 to 1211
Tag:	His Tag (8xHis at the C-terminus).
Predicted MW:	137 kDa (including tags).
Biologically Active:	Yes
Purity:	> 95% (by SDS-PAGE).
Purification:	Affinity chromatography.

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### Specifications continued:

Product Form:	Liquid
Concentration:	Lot specific.
Formulation:	Supplied in Phosphate Buffered Saline with 20% Glycerol.
Endotoxin Level:	< 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g), as measured by LAL method.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -70°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

### Images:



Recombinant SARS-CoV-2 Spike Protein (B.1.1.7 Variant) (Functional) on SDS-PAGE. The gel was stained with Instant Blue Stain. The purity of the protein is greater than 95%. Estimated molecular weight (SDS-PAGE) of 190 kDa.