



The Ultimate Research Partner

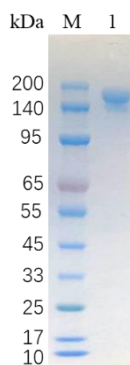
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PRODUCT SPECIFICATIONS

Product Name	Recombinant SARS-CoV-2 S-trimer Protein
Catalog#	NBP0115-2
Description	Recombinant SARS-CoV-2 S-trimer Protein is produced by Mammalian expression system and the target gene encoding Val 16 - Pro 1213 is expressed. The recombinant protein is expressed from human 293 cells with T4 fibrin trimerization motif and a polyhistidine tag at the C-terminus. Proline substitutions (F817P, A892P, A899P, A942P, K986P, V987P) and alanine substitutions (R683A and R685A) are introduced to stabilize the trimeric prefusion state of SARS-CoV-2 S protein and abolish the furin cleavage site, respectively. The S-trimer Protein has a calculated molecular mass of 137.6 kDa and migrates as an 150-200 kDa band in SDS-PAGE under reducing conditions due to glycosylation. Accession Number: P0DTC2 Also known as: Spike,S protein,Spike glycoprotein
Source	HEK293 cells
Formulation	Supplied as a 0.2 μ m filtered solution of PBS, pH7.4
Quality control	Mol Mass: 137.6kDa AP Mol Mass: 150-200 kDa Purity: $\geq 90\%$ as determined by reducing SDS-PAGE
Concentration	Lot specific($\pm 20\%$)
Purification	Affinity purification chromatography
SDS-PAGE	



FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY



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	Recombinant SARS-CoV-2 S-trimer Protein on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%
Application	Immunogen, calibrator, standard or other applications
Shipping	The product is shipped on ice pack. Upon receipt, store it immediately at -20°C or lower.
Storage	Short term (up to 7 days) store at 2-8°C. Long term, store at -20°C. Avoid multiple freeze/thaw cycles.