

Product datasheet for TP723919

SARS-CoV-2 Spike S1 Recombinant Protein with His tag

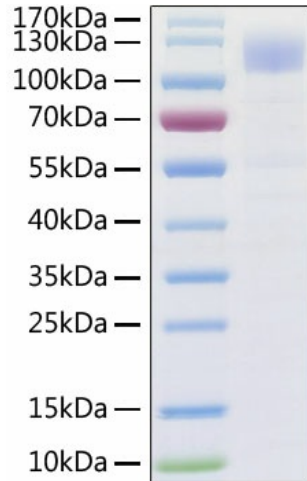
Product data:

Product Type:	Recombinant Proteins
Description:	SARS-CoV-2 Spike S1 Recombinant Protein with His tag
Species:	SARS-CoV-2
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	VSSQCVNLTT RTQLPPAYTN SFTRGVVYPD KVFRSSVLHS TQDLFLPFFS NVTWFHAIHV SGTNGTKRFD NPVLPFNDGV YFASTEKSNI IRGWIFGTTL DSKTQSLIV NNATNVVIKV CEFQFCNDPF LGVYYHKNNK SWMESEFRVY SSANNCTFEY VSQPFLMDLE GKQGNFKNLR EHVFKNIDGY FKIYSKHTPI NLVRDLPQGF SALEPLVDLP IGINITRFQT LLALHRSYLT PGDSSSGWTA GAAAYVGYL QPRTFLLKYN ENGTITDAVD CALDPLSETK CTLKSFTVEK GIYQTSNFRV QPTESIVRFP NITNLCPFGE VFNATRFASV YAWNKRKRISN CVADYSVLYN SASFSTFKCY GVSPTKLNLD CFTNVYADSF VIRGDEVQRQI APGQTGKIAD YNYKLPDDFT GCVIAWNSNN LDSKVGNGYN YLYRFRKSN LKPFERDIST EIQAGSTPC NGVEGFNCYF PLQSYGFQPT NGVGYQPYRV VVLSFELLHA PATVCGPKKS TNLVKNKCVN FNFNGLTGTG VLTESNKKFL PFQQFGRDIA DTTDAVRDPQ TLEILDITPC SFGGVSVITP GTNTSNQVAV LYQDVNCTEV PVAIHADQLT PTWRVYSTGS NVFQTRAGCL IGAHEVNNSY ECDIPIGAGI CASYQTQNS PRR
Tag:	C-6xHis
Purity:	> 90% by SDS-PAGE.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin:	< 1.0 EU/µg of the protein by LAL method.
Protein Description:	Recombinant 2019-nCoV Spike S1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val11-Arg683) of 2019-ncov Spike S1 (Accession #YP_009724390.1) fused with a 6xHis tag at the C-terminus.
Storage:	Store at -20°C to -80°C.
Stability:	3 months
Locus ID:	43740568

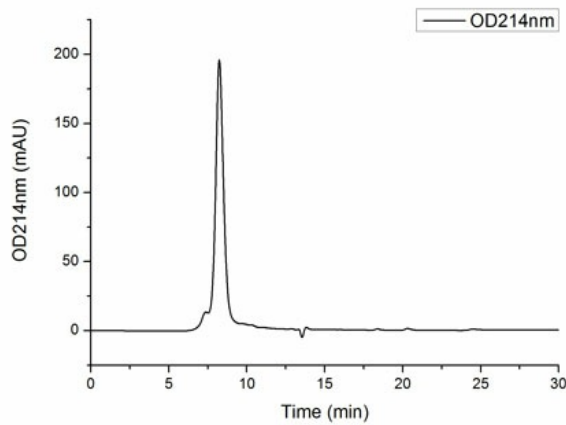


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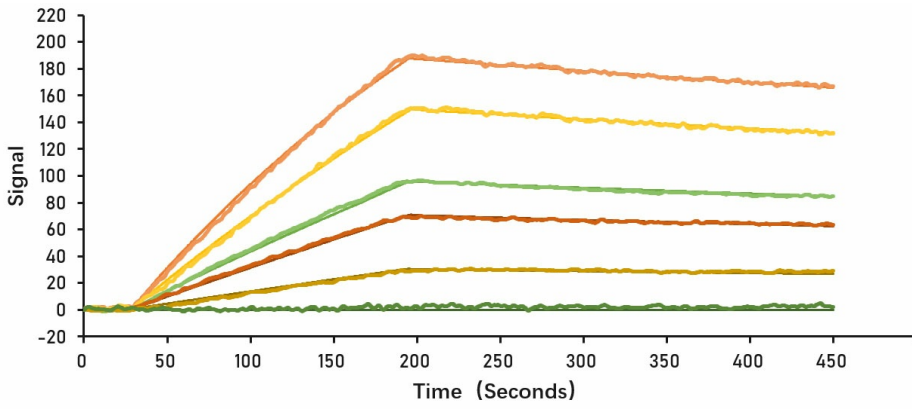
Product images:



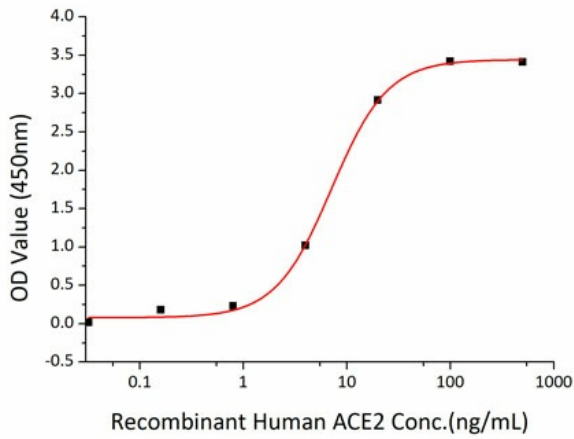
Recombinant SARS-COV-2 Spike S1 Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-130 kDa.



The purity of SARS-COV-2 Spike S1 Protein with His tag (Cat.TP723919) was greater than 90% as determined by SEC-HPLC.



Immobilized Human ACE2 on COOH Chip, can bind SARS-COV-2 Spike S1 with an affinity constant of 27.3 nM as determined in a SPR assay (Nicoya OpenSPR).



Immobilized SARS-CoV-2 Spike S1 at 2µg/mL (100 µL/well) can bind recombinant Human ACE2 with a linear range of 0.03-7.12 ng/mL.