

Product datasheet for **TP723917**

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

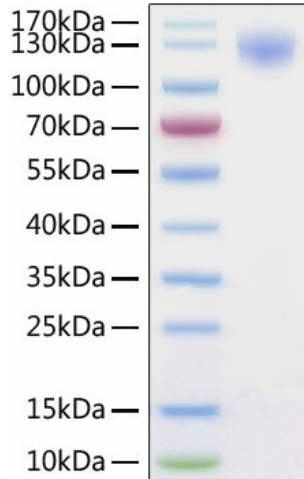
Product data:

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:	VNLTRTQLP PAYTNSFTRG VYYPDKVFRS SVLHSTQDLF LPFFSNVTWF HAIHVSQTNG TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSTQ SLLIVNNATN WIKVCEFQF CNDPFLGVYY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN FKNLREFVK NIDGYFKIYS KHTPINLVRD LPQGFSALEP LVDLPIGINI TRFQTLALH RSYLTPGDSS SGWTAGAAAY YVGYLQPRTF LLKYNENGTI TDAVDCALDP LSETKCTLKS FTVEKGIYQT SNFRVQPTES IVRFPNITNL CPFGEVFNAT RFASVYAWNR KRISNCVADY SVLYNSASF S TKFCYGVSP KLNLCFTNV YADSFVIRGD EVRQIAPGQT GKIADYNYKL PDDFTGCVIA WNSNNLDSKV GGNVNYLYRL FRKSNLKPFE RDISTEIQQA GSTPCNGVEG FNCYFPLQSY GFQPTNGVGY QPYRVVWLSF ELLHAPATVC GPKKSTNLVK NKCVMFNFN LGTGTGLTES NKKFLPFQQF GRDIADTTDA VRDPQTLEIL DITPCSEGGV SVITPGTNTS NQVAVLYQDV NCTEVPVAIH ADQLTPTWRV YSTGNSNMFQT RAGCLIGAEH VNNSYECDIP IGAGICASYQ TQTNSPRRAR
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 (Val16-Arg685) 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

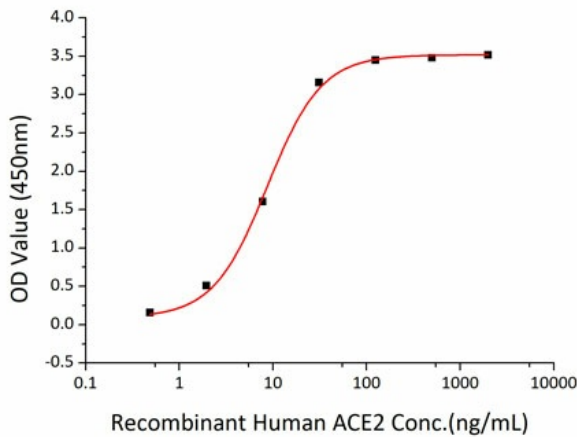


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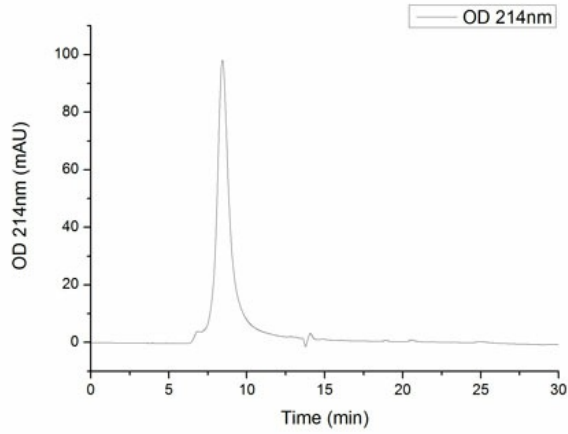
Product images:



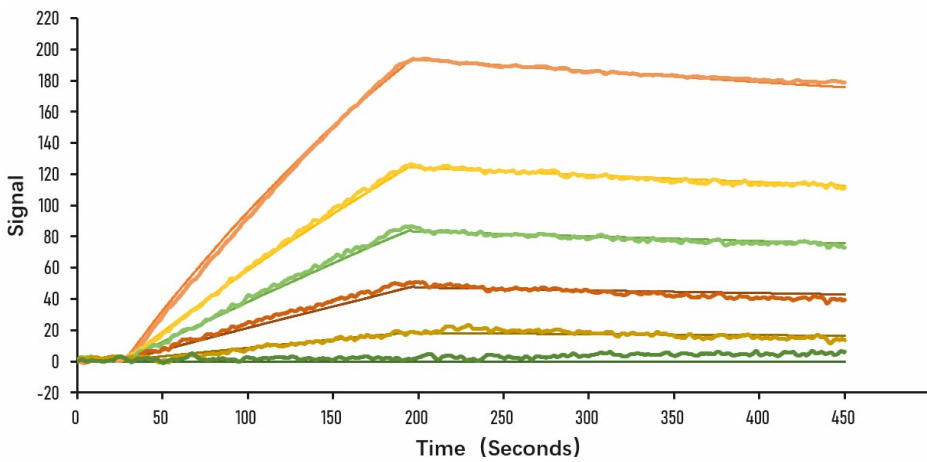
Recombinant SARS-COV-2 Spike S1 Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-130 kDa.



Immobilized Recombinant SARS-COV-2 Spike S1 at 2µg/mL (100 µL/well) can bind Recombinant Human ACE2 with a linear range of 0.5-8.7 ng/mL.



The purity of SARS-COV-2 Spike S1 Protein with His tag (Cat.TP723917) was greater than 95% as determined by SEC-HPLC.



Immobilized Human ACE2 on COOH Chip, can bind SARS-COV-2 Spike S1 with an affinity constant of 11.4 nM as determined in a SPR assay (Nicoya OpenSPR).