

Bioactive

SARS-CoV-2

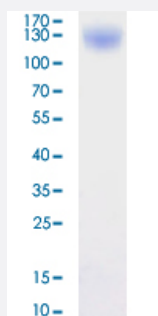
HuPro®

# S1 (SARS-CoV-2) Recombinant Protein

Catalog # P6636

Size 100 ug

## Applications



This protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-130 kDa.

## Result of bioactivity analysis

Result of bioactivity analysis

## Specification

Product Description	SARS-CoV-2 S1 (YP_009724390.1, 16 a.a. - 685 a.a.) recombinant protein with His tag at C-terminal expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	75.8
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity purification
Purity	> 90% by SDS-PAGE; > 95% by HPLC.

Endotoxin Level	< 1.0 EU/ug of the protein by LAL method.
Activity	A. Measured by the binding ability in a functional ELISA. Immobilized S1 (SARS-CoV-2) Recombinant Protein at 2 ug/mL (100 uL/well) can bind recombinant human ACE2 with a linear range of 0.5-8.7 ng/mL. B. Immobilized human ACE2 on COOH Chip, can bind this protein with an affinity constant of 11.4 nM as determined in a SPR assay (Nicoya OpenSPR).
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue This protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-130 kDa.
Storage Buffer	In PBS, pH 7.4.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

## Applications

- SDS-PAGE