

Bioactive

SARS-CoV-2

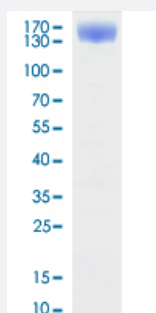
HuPro®

S1 (SARS-CoV-2) Recombinant Protein

Catalog # P6632

Size 100 ug

Applications



This protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 130-160 kDa.

Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	SARS-CoV-2 S1 (YP_009724390.1, 11 a.a. - 682 a.a.) recombinant protein with Fc-His tag at C-terminal expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	103
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity purification
Purity	> 95% by SDS-PAGE.

Endotoxin Level	< 1.0 EU/ug of the protein by LAL method.
Activity	A. Measured by the binding ability in a functional ELISA. Immobilized recombinant human ACE2 at 2 ug/mL (100 uL/well) can bind S1 (SARS-CoV-2) Recombinant Protein with a linear range of 78-82.5 ng/mL. B. Immobilized human ACE2 on COOH Chip, can bind this protein with an affinity constant of 90.8 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 130-160 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