

Bioactive

SARS-CoV-2

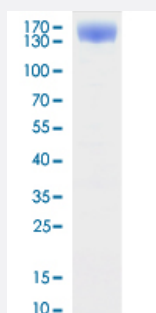
HuPro®

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. |

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|--------------------------------|--|
| 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