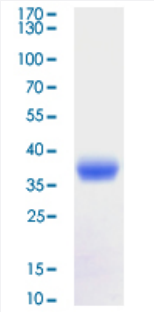
Bioactive SARS-CoV-2 HuPro®

S (SARS-CoV-2) RBD Recombinant Protein

Catalog # P6631 Size 100 ug

Applications



This protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 36 kDa.

Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	SARS-CoV-2 S RBD (YP_009724390.1, 319 a.a. - 541 a.a.) recombinant protein with His tag at C-terminal expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	25.9
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity purification
Purity	> 95% by SDS-PAGE.

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Endotoxin Level	< 0.1 EU/ug of the protein by LAL method.
Activity	A. Measured by the binding ability in a functional ELISA. Immobilized S (SARS-CoV-2) RBD Recombinant Protein at 2 ug/mL (100 uL/well) can bind recombinant human ACE2 with a linear range of 1.5-9.4 ng/mL. B. Immobilized human ACE2 on COOH Chip, can bind this protein with an affinity constant of 36.7 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 36 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

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