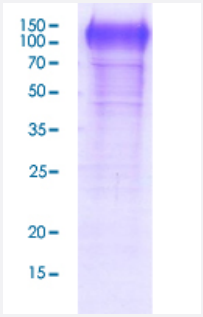
Bioactive HuPro®

S1 (SARS-CoV-2) Recombinant Protein

Catalog # P6673 Size 100 ug

Applications



Result of bioactivity analysis

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S1 (SARS-CoV-2) Recombinant Protein (Cat # P6673) is coated at 5 ug/mL (100 uL/well) can bind ACE-2 in a functional ELISA assay.

Specification

Product Description	SARS-CoV-2 S1 (QHD43416.1, 16 a.a. - 685 a.a.) partial recombinant protein with His tag at C-terminal expressed in HEK293 cells.
Sequence	DGSMVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAIHVSGTNGT KRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTTLDSKTQSLLIVNNATNVVIKVCEFQFCNDPFLGV YYHKNNKSWMESEFRVYSSANNCTFEYVSQPFLMDLEGKQGNFKNLREFVFKNIDGYFKIYSKHT PINLVRDLPQGFSALEPLVDLPIGINITRFQTLLALHRSYLTPGDSSSGWTAGAAAYYVGYLQPRTFL LKYNENGTITDAVDCALDPLSETKCTLKSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNA TRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVRQI APGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIYQAGS TPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLSFELLHAPATVCGPKKSTNLVKNKCVNF NFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLEILDITPCSFGGVSVITPGTNTSNQV AVLYQDVNCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAEHVNNSYECDIPIGAGICASYQ TQTNSPRRARHHHHHH

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Host	Human
Theoretical MW (kDa)	76.2
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Conventional chromatography
Purity	> 85% by SDS-PAGE.
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method).
Activity	Measured by the binding ability in a functional ELISA with human ACE-2.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	Bioactivity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis S1 (SARS-CoV-2) Recombinant Protein (Cat # P6673) is coated at 5 ug/mL (100 uL/well) can bind ACE-2 in a functional ELISA assay.

Applications

- SDS-PAGE

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