

ARG70345
SARS-CoV-2 Spike recombinant protein (S1 Subunit) (His-tagged, C-ter)

Package: 100 µg

Store at: -20°C

Summary

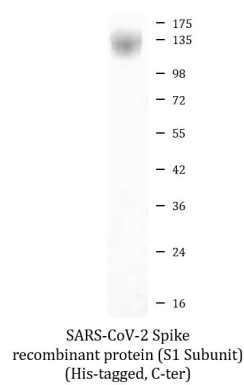
Product Description	HEK293 expressed, His-tagged (C-ter) SARS-CoV-2 Spike recombinant protein (S1 Subunit).
Tested Reactivity	Virus
Tested Application	Binding, SDS-PAGE
Target Name	SARS-CoV-2 Spike protein (S1 Subunit)
Species	Virus
A.A. Sequence	Val16 - Arg685 of SARS - CoV - 2 Spike protein (S1 Subunit) (YP_009724390.1) with 6X His tag at the C - terminus.
Expression System	HEK293

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Spike S1 at 2µg/ml (100 µl/well) can bind Recombinant Human ACE2 with a linear range of 0.5-8.7 ng/ml. Immobilized Human ACE2 on COOH Chip, can bind SARS-COV-2 Spike S1 with an affinity constant of 11.4 nM as determined in a SPR assay.
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Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 90% (by SDS-PAGE); > 95% (by HPLC)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.



ARG70345 SARS-CoV-2 Spike recombinant protein (S1 Subunit) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70345 SARS-CoV-2 Spike recombinant protein (S1 Subunit) (His-tagged, C-ter).