Recombinant Bat SARS-like coronavirus/HKU3-1 S(RBD) protein

Cat. No. bSARSlS-121V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bat SARS-like coronavirus/HKU3-1 S(RBD) Protein, was expressed in HEK293.
Species	BtCoV
Source	HEK293
Description	Spike protein S1: Attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Spike protein S2: Mediates fusion of the virion and cellular membranes by acting as a class I viral fusion protein. Under the current model, the protein has at least three conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes. Spike protein S2': Acts as a viral fusion peptide which is unmasked following S2 cleavage occurring upon virus endocytosis.
Form	Each vial contains 100 ug purified protein (1mg/ml) in PBS (pH7.4).
Purity	>95%

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Applications	WB standard, Ab ELISA, immunogen, etc.
Usage	For research use only, not for use in diagnostic procedures.
Storage	Store at -80 centigrade, Avoid freeze/thaw cycle.
Concentration	1 mg/ml

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