

## Recombinant Human-CoV(229E) S(RBD) protein

Cat. No. hCoV(229E)-113V Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant Human-CoV(229E) S(RBD) protein was expressed in HEK293 cells.
<b>Species</b>	HCoV
<b>Source</b>	HEK293
<b>Description</b>	<p>S1 region attaches the virion to the cell membrane by interacting with host ANPEP/aminopeptidase N, initiating the infection. Binding to the receptor probably induces conformational changes in the S glycoprotein unmasking the fusion peptide of S2 region and activating membranes fusion. S2 region belongs to the class I viral fusion protein. Under the current model, the protein has at least 3 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) regions 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.</p>
<b>Form</b>	Each vial contains 100 ug purified protein (1mg/ml) in PBS (pH7.4).
<b>Purity</b>	>95%
<b>Applications</b>	WB standard, Ab ELISA, immunogen, etc.

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<b>Usage</b>	For research use only, not for use in diagnostic procedures.
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<b>Storage</b>	Store at -80 centigrade, Avoid freeze/thaw cycle.
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<b>Concentration</b>	1 mg/ml
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## GENE INFORMATION

<b>Gene Name</b>	S
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<b>Official Symbol</b>	S
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<b>Synonyms</b>	HCoV229Egp2
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<b>Gene ID</b>	918758
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<b>Protein Refseq</b>	NP_073551.1
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<b>UniProt ID</b>	P15423
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