

Recombinant Human-CoV(229E) S(1-1190) protein

Cat. No. hCoV(229E)-112V Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant Human-CoV(229E) S(1-1190) protein was expressed in HEK293 cells.
Species	HCoV
Source	HEK293
ProteinLength	1-1190 a.a.
Description	<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>
Form	Each vial contains 100 ug purified protein (1mg/ml) in PBS (pH7.4).
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

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

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