Recombinant MERS-CoV(EMC 2C/2012) S(1-1190) protein

Cat. No. MERSS-107V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant MERS-CoV(EMC 2C/2012) S(1-1190) protein was expressed in HEK293 cells.
Species	MERS-CoV
Source	HEK293
ProteinLength	1-1190 a.a.
Description	Spike protein S1: attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Spike protein S2': Acts as a viral fusion peptide which is unmasked following S2 cleavage occurring upon virus endocytosis. 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.
Form	Each vial contains 100 ug purified protein (1mg/ml) in PBS (pH7.4).
Purity	>95%
Applications	WB standard, Ab ELISA, immunogen, etc.

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

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	G128_gp02
Gene ID	14254594
Protein Refseq	YP_009047204.1
UniProt ID	W6A028

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