

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	<p>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.</p>
Form	Each vial contains 100 ug purified protein (1mg/ml) in PBS (pH7.4).
Purity	>95%
Applications	WB standard, Ab ELISA, immunogen, etc.

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

Gene Name	S
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Official Symbol	S
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Synonyms	G128_gp02
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Gene ID	14254594
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Protein Refseq	YP_009047204.1
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UniProt ID	W6A028
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