

## Recombinant MERS-CoV(EMC 2C/2012) S(RBD) protein

**Cat. No.** MERSS-108V    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant MERS-CoV(EMC 2C/2012) S(RBD) protein was expressed in HEK293 cells.
<b>Species</b>	MERS-CoV
<b>Source</b>	HEK293
<b>Description</b>	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.
<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.
<b>Usage</b>	For research use only, not for use in diagnostic procedures.

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**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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