

Recombinant MERS-CoV S Protein, His-tagged

Cat. No. S-015M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MERS-CoV Spike S1 Subunit, fused to His-tag at C-terminus, was expressed in insect cell, and purified by using conventional chromatography techniques.
Species	MERS-CoV
Source	Insect cells
Description	Spike protein S1: attaches the virion to the cell membrane by interacting with host receptor, initiating the infection.
Form	Liquid
Molecular Mass	82.0kDa
AA Sequence	YVDVGPDSVKSACIEVDIQQTFFDKTWPRPIDVSKADGIIYPQGRITYSNITITYQGLFP YQGDHGDMMYVYSAGHATGTPQKLFVANYSQDVKQFANGFVVRIGAAANSTGTVII SPSTSATIRKIYPAFMLGSSVGNFSDGKMGRFFNHTLVLLPDGCGTLLRAFYCILEPR SGNHCPAGNSYTSFATYHTPATDCSDGNYNRNASLNSFKEYFNLRNCTFMYTYNIT EDEILEWFGITQTAQGVHLFSSRYVDLYGGNMFQFATLPVYDTIKYYSIIPHSIRSIQS DRKAWAAFYVYKLQPLTFLDFSVDGYIRRAIDCGFNDLSQLHCSYESFDVESGVYS VSSFEEKPSGSVVEQAEGVECDFSPLLSGTTPQVYNFKRLVFTNCNYNLTKLLSLFS VNDFTCSQISPAAIASNCYSSLILDYFSYPLSMKSDLSVSSAGPISQFNYKQSFNSPT CLILATVPHNLTTITKPLKYSYINKCSRLLSDDRTEVPQLVNANQYSPCVSIVPSTVWE DGDYYRKQLSPLEGGGWLVASGSTVAMTEQLQMGGFQITVQYGTDTNSVCPKLEFA

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NDTKIASQLGNCVEYSLYGVSGRGVFQNCCTAVGVRQQRFVYDAYQNLVGYYSDDG
 NYYCLRACVSPVSVIYDKETKTHATLFGSVACEHISSTMSQYSRSTRSMLKRRDST
 YGPLQTPVGCVLGLVNSSLFVEDCKLPLGQSLCALPDTPSTLTTPRSVR

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 85% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -94 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/mL (determined by Bradford assay)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Official Symbol [S](#)

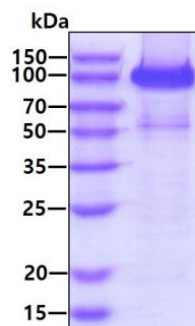
Synonyms Middle East respiratory syndrome coronavirus; Human betacoronavirus 2c EMC/2012; MERS-CoV; MERS; MERSCoV S1 P; Spike1 glycoprotein; S1 glycoprotein; S1; Spike S1 Subunit protein; S1 Subunit

UniProt ID [K0BRG7](#)

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SDS-PAGE

3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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