Recombinant MERS-CoV N Protein, His-SUMO-tagged(N-ter)

Cat. No. N-255M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MERS-CoV N Protein with His-SUMO tag (N-ter) was expressed in HEK293.
Species	MERS-CoV
Source	HEK293
Description	Middle East Respiratory Syndrome coronavirus (MERS-CoV) was initially isolated from a patient who was admitted to a private hospital in the Western part of the Kingdom of Saudi Arabia in 2012. Subsequently, MERS-CoV resulted in many sporadic cases, multiple intrafamilial transmission, and major outbreaks in healthcare settings. Of all the cases reported within the Kingdom of Saudi Arabia, 38% of the cases were primary, 45% were healthcare-associated infection, and 14% were household infections. The clinical spectrum of the MERS-CoV infection ranges from asymptomatic infections, mild or moderately symptomatic cases, and severe disease requiring intensive care unit admissions and may result in death. Within healthcare settings, transmissions of MERS-CoV are facilitated by overcrowding, poor infection control measures, unrecognized infections, and superspreader phenomenon. Currently, there is no approved therapy for MERS-CoV and there are no vaccines.
Form	Powder
AA Sequence	MASPAAPRAVSFADNNDITNTNLSRGRGRNPKPRAAPNNTVSWYTGLTQHGKVPL TFPPGQGVPLNANSTPAQNAGYWRRQDRKINTGNGIKQLAPRWYFYYTGTGPEAA

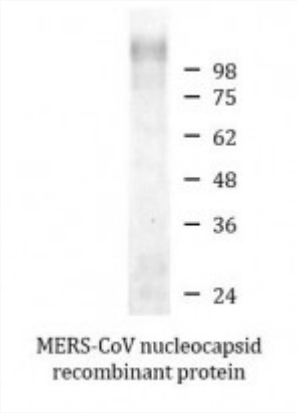
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	LPFRAVKDGIVWVHEDGATDAPSTFGTRNPNNDSAIVTQFAPGTKLPKNFHIEGTGG NSQSSSRASSVSRNSSRSSSQGSRSGNSTRGTSPGPSGIGAVGGDLLYLDLLNRL QALESGKVKQSQPKVITKKDAAAAKNKMRHKRTSTKSFNMVQAFGLRGPGDLQGN FGDLQLNKLGTEDPRWPQIAELAPTASAFMGMSQFKLTHQNNDDHGNPVYFLRYS GAIKLDPKNPNYNKWLELLEQNIXAYKTFPKKEKKQKAPKEESTDQMSEPPKEQRV QGSITQRTRTRPSVQPGPMIDVNTD
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	N nucleocapsid protein [Middle East respiratory syndrome-related coronavirus]
Official Symbol	N

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Synonyms	N; nucleocapsid protein; nucleocapsid protein; nucleoprotein
Gene ID	14254601
Protein Refseq	YP_009047211
UniProt ID	K0BVN3
SDS-PAGE	

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