

## Recombinant MERS-CoV N Protein (Met1-Asp413), N-His-SUMO tagged, Animal-free, Carrier-free

Cat. No. N-331M    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant MERS-CoV N Protein (Met1-Asp413) with N-His-SUMO tag was expressed in HEK293 and Animal-free as well as Carrier-free.                                                                                                                                                                                                                                                                                                                                                      |
| Species          | MERS-CoV                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ProteinLength    | Met1-Asp413                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description      | <p>There are seven human coronaviruses have been identified. MERS-CoV is one of the species of these coronavirus (<math>\beta</math> group). MERS-CoV is called the Middle East respiratory syndrome-related coronavirus, which infects the bats and human. Because the crown-like spikes on the surface of virus, they are named for coronaviruses. The spike protein controlled the infection of target cells and it facilitated entry into cells by binding the DPP4 receptors.</p> |
| Form             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molecular Mass   | <p>The protein has a calculated MW of 56.59 kDa.</p> <p>The protein migrates about 100 kDa under reducing condition (SDS-PAGE analysis).</p>                                                                                                                                                                                                                                                                                                                                           |
| Purity           | >90% as determined by SDS-PAGE analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage          | This product is stable after storage at:                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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-20 centigrade for 12 months in lyophilized state from date of receipt.  
-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.  
Avoid repeated freeze/thaw cycles.

**Storage Buffer**

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

**GENE INFORMATION****Official Symbol**

N

**Synonyms**

N; Nucleocapsid

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