

## Recombinant 2019-nCoV N(S194L) Protein, His-tagged

Cat. No. N-900V Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant 2019-nCoV N(S194L) Protein(Met 1 - Ala 419)(Accession # QHO62115.1), fused to His tag at the C-terminus, was expressed from HEK293.                                                                                                                                                                 |
| Species          | Sars-Cov-2                                                                                                                                                                                                                                                                                                      |
| Source           | HEK293                                                                                                                                                                                                                                                                                                          |
| ProteinLength    | Met 1 - Ala 419                                                                                                                                                                                                                                                                                                 |
| Form             | Lyophilized from 0.22 µm filtered solution in PBS, 0.5 M Arginine, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                      |
| Molecular Mass   | The protein has a calculated MW of 47.3 kDa. The protein migrates as 55-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                    |
| Endotoxin        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                      |
| Purity           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                 |
| Storage          | For long term storage, the product should be stored at lyophilized state at -20°C or lower.<br>Please avoid repeated freeze-thaw cycles.<br>This product is stable after storage at:<br>-20°C to -70°C for 12 months in lyophilized state;<br>-70°C for 3 months under sterile conditions after reconstitution. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** N nucleocapsid phosphoprotein [ Severe acute respiratory syndrome coronavirus 2 ]

**Official Symbol** N

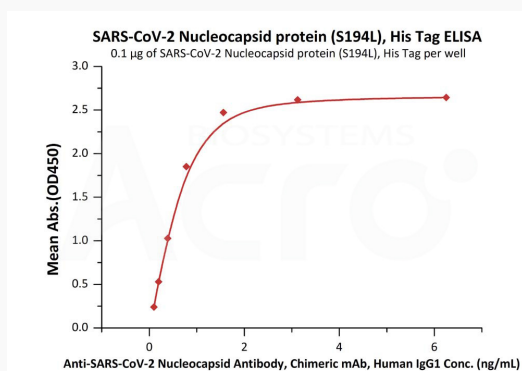
**Synonyms**

coronavirus NP Protein, 2019-nCoV; coronavirus Nucleocapsid Protein, 2019-nCoV; coronavirus Nucleoprotein Protein, 2019-nCoV; cov np Protein, 2019-nCoV; ncov NP Protein, 2019-nCoV; NCP-CoV Nucleocapsid Protein, 2019-nCoV; novel coronavirus NP Protein, 2019-nCoV; novel coronavirus Nucleocapsid Protein, 2019-nCoV; novel coronavirus Nucleoprotein Protein, 2019-nCoV; np Protein, 2019-nCoV; nucleocapsid Protein, 2019-nCoV; Nucleoprotein Protein, 2019-nCoV

**Gene ID** 43740575

**Protein Refseq** YP\_009724397.2

**UniProt ID** P0DTC9

**Bioactivity-ELISA**


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Immobilized SARS-CoV-2 Nucleocapsid protein (S194L), His Tag at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.1-1 ng/mL.

#### SDS-PAGE

