

# Recombinant 2019-nCoV N(R203K, G204R) Protein, His-tagged

**Cat. No.** N-912V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant 2019-nCoV N(R203K, G204R) Protein(Met 1 - Ala 419)(Accession # QHO62115.1(P13L)), fused to His tag at the C-terminus, was expressed from HEK293.                                                                               |
| <b>Species</b>          | Sars-Cov-2                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Met 1 - Ala 419                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                 |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 47.4 kDa. The protein migrates as 55-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                               |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                 |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                            |
| <b>Storage</b>          | 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; |

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-70°C for 3 months under sterile conditions after reconstitution.

**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**

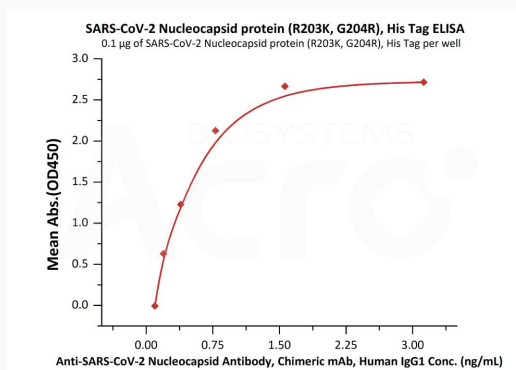
[P0DTC9](#)

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## Bioactivity-ELISA



Immobilized SARS-CoV-2 Nucleocapsid protein (R203K, G204R), 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 0.2-1 ng/mL.

## SDS-PAGE

