

## **Nucleocapsid S-RBD Fusion** **Catalog # PVGS1566**

### **Specification**

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#### **Nucleocapsid S-RBD Fusion - Product Information**

Primary Accession [P0DTC2 & P0DTC9](#)

**Species**  
SARS-CoV-2

**Sequence**  
Full length of nucleocapsid protein and spike protein RBD region

**Purity**  
> 75% as analyzed by SDS-PAGE

**Endotoxin Level**  
< 0.2 EU/ µg of protein by gel clotting method

**Biological Activity**  
SARS-CoV-2 Nucleocapsid S-RBD Fusion (His tag) can bind to both human ACE2 (Cat. No.: Z03484) and nucleocapsid antibody (Cat. No.: A02039) in functional ELISA assay.

**Expression System**  
293 Cells

**Theoretical Molecular Weight**  
74.9 kDa

Formulation **Supplied as a solution in PBS pH 7.4 containing 10% glycerol.**

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at -20°C or below. Avoid repeated freeze-thaw cycles.

#### **Nucleocapsid S-RBD Fusion - Additional Information**

**Target Background**  
SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Nucleocapsid Protein is associated with nucleic acid. It is the most abundant protein for coronavirus. Because of the strong immunogenicity of coronavirus Nucleocapsid, it is believed that SARS-CoV-2 Nucleocapsid Protein has potential value for the diagnosis of the virus. SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. SARS-CoV-2 Spike Protein (RBD) also has the potential value for the diagnosis of the virus.

#### **Nucleocapsid S-RBD Fusion - Protein Information**

## **Nucleocapsid S-RBD Fusion - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Nucleocapsid S-RBD Fusion - Images**