10320 Camino Santa Fe, Suite G
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Nucleocapsid S-RBD Fusion
Catalog # PVGS1566

Specification

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

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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 Cytomety
- Cell Culture

Nucleocapsid S-RBD Fusion - Images