

## Recombinant SARS-CoV-2 (2019-nCoV) NSP10 Protein

Catalog Number: NBS4598

### General Information

#### Gene Name Synonym:

NSP10-CoV

#### Protein Construction:

A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) NSP10 (YP\_009725306.1) (Ala1-Gln139) was expressed with two amino acids (GP) at the N-terminus.

Source: 2019-nCoV

Expression Host: E. coli

### QC Testing

Purity: > 95 % as determined by SDS-PAGE.

#### Endotoxin:

Please contact us for more information.

Predicted N terminal: Gly

#### Molecular Mass:

The recombinant SARS-CoV-2 (2019-nCoV) NSP10 Protein consists of 141 amino acids and predicts a molecular mass of 15 kDa.

#### Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

### Usage Guide

#### Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

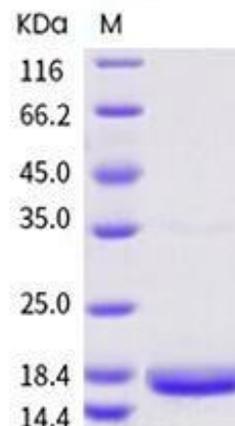
**Avoid repeated freeze-thaw cycles.**

#### Reconstitution:

It is recommended that sterile water (400ul) be added to the vial to prepare a stock solution of 0.25mg/ml.

Concentration is measured by UV.

### SDS-PAGE:



### Protein Description

NSP10 is a major regulator of coronavirus replicase function. NSP10 contains two zinc fingers and binds and stimulates both NSP14 and NSP16 activities. Researchers has found that the nsp10 surface that interacts with nsp14 and nsp16 and possibly other subunits of the viral replication complex may be a target for the development of antiviral compounds against pathogenic coronaviruses.