

Recombinant SARS-COV-2 NSP7&NSP8 Protein

Catalog No.: RP02651

Sequence Information

Species SARS-CoV-2
Gene ID 43740578

Swiss Prot YP_009725303.1
(NSP7)
&YP_009725304.1
(NSP8)
Tags C-His

Synonyms

SP7&NSP8; nsp7&nsp8

Product Information

Source *E. coli*
Purification ≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW 32.8 kDa
Observed MW 32.8 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The crystal structure of the metabolite of remdesivir (Monophosphate of GS-441524) and NSP12-NSP8-NSP7 of SARS CoV-2 virus was recently reported. The crystal structures of ADP-Ribose or AMP and NSP3 of SARS CoV-2 virus were also released, recently. The crystal structure of NSP3 of SARS CoV-2 virus as an alternative binding site of AMP or ADP-ribose to treat COVID-19.

Basic Information

Description

SARS-COV-2 NSP7&NSP8 Protein is expressed from E.coil with His tag at the C-terminal.; It contains Ser1-Gln83(NSP7)&Ala1-Gln198(NSP8).

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

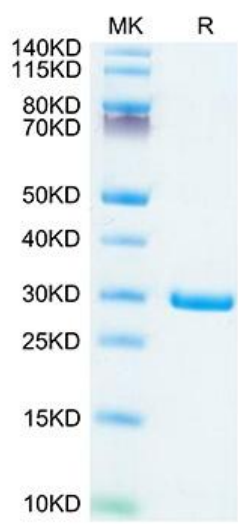
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Validation Data



Recombinant SARS-COV-2 NSP7&NSP8 Protein was determined by Tris-Bis PAGE under reducing conditions.