

# Recombinant SARS-COV-2 NSP7&NSP8 Protein

Catalog No.: RP02651 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740578	YP_00972530 3.1(NSP7)&Y P_009725304 .1(NSP8)

## Tags

C-His

## Synonyms

SP7&NSP8; nsp7&nsp8

## Product Information

Source	Purification
<i>E. coli</i>	> 95% as determined by Tris-Bis PAGE

## Endotoxin

Less than 1EU per µg by the 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 freeze-thaw cycles.

## Contact

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## 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. coli* with His tag at the C-terminal. It contains Ser1-Gln83(NSP7)&Ala1-Gln198(NSP8).

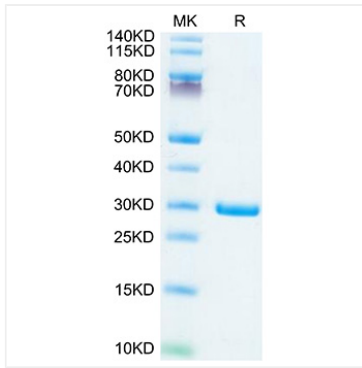
### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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SARS-COV-2 NSP7&NSP8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.