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Recombinant SARS-COV-2 NSP7&NSP8 Protein

Catalog No.: RP02651 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740578	YP_009725303.1(NSP7)&YP_009725304.1(NSP8)

Tags
C-His

Synonyms
SP7&NSP8; nsp7&nsp8

Product Information

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

Calculated MW	Observed MW
32.8 kDa	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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

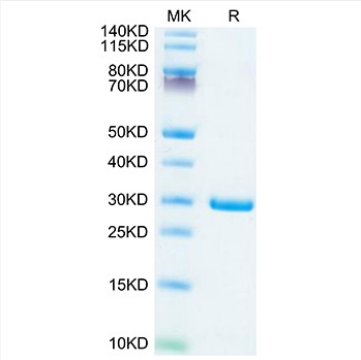
Basic Information

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

Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



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