**Product Name: Recombinant SARS-CoV-2 NSP7 (C-6His)**
**Catalog #: PEV2235**

## Summary

| | |
|---|---|
| **Name** | NSP7 |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | Please contact with the lab for this information |
| **Construction** | Recombinant 2019-nCoV NSP7 is produced by our E.coli expression system and the target gene encoding Ser1-Gln83 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | YP_009725303.1 |
| **Host** | E.coli |
| **Species** | SARS-CoV-2 |
| **Predicted Molecular Mass** | 12.3 KDa |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, 0.01%Tween80, pH 8.5. |
| **Shipping** | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| **Reconstitution** | |

## SDS-PAGE image

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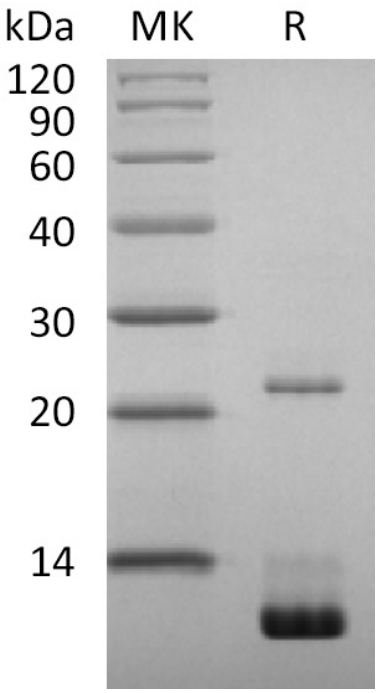


## Alternative Names

SARS-CoV 2 nsp7

## Background

The ~30kb positive-stranded RNA genome of coronaviruses encodes a replication/transcription machinery that is unusually complex and composed of 16 nonstructural proteins (nsps). The four proteins nsp7 to nsp10, which are conserved among all CoVs but have no functional homologs outside of the Coronaviridae, are translated as part of the viral polyproteins pp1a and pp1ab, and the mature proteins are released by the action of the SARS-CoV protease nsp5. Hexadecamer of nsp7 and nsp8 may possess dsRNA-binding activity. SARS-CoV 2 nonstructural protein 7 (nsp7) is of interest for its potential roles in the transcription and replication of the positive-stranded viral RNA genome.

## Note

For Research Use Only , Not for Diagnostic Use.