# Recombinant Severe acute respiratory syndrome coronavirus 2 Replicase polyprotein 1ab (rep), partial

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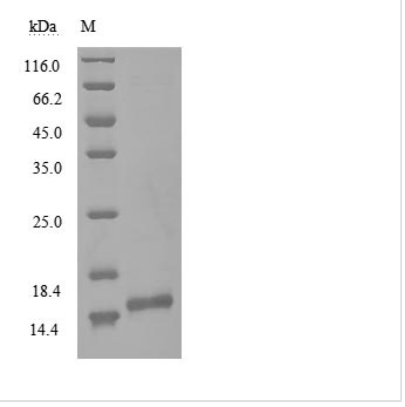
| **Product Code** | CSB-EP3388GND |
| **Abbreviation** | Recombinant SARS-CoV-2 Replicase polyprotein 1ab protein, partial |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | P0DTD1 |
| **Form** | Lyophilized powder |
| **Product Type** | Recombinant Proteins |
| **Immunogen Species** | Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2) |
| **Purity** | Greater than 90% as determined by SDS-PAGE. |
| **Sequence** | NNELSPVALRQMSCAAGTTQTACTDDNALAYYNTTKGGRFVLALLSDLQDLK WARFPKSDGTGTIYTELE PPCRFVTDTPKGPKVKYLYFIKGLNNLNRGMVLGSLAATVRLQ |
| **Research Area** | Microbiology |
| **Source** | E.coli |
| **Target Names** | rep |
| **Protein Names** | Non-structural protein 9 |
| **Expression Region** | 4141-4253aa |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | C-terminal 10xHis-tagged |
| **Mol. Weight** | 13.9 kDa |
| **Protein Length** | Partial |
| **Image** | |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.Predicted band size: 13.9 kDa Observed band size: 15 kDa due to molecular structure of protein

## Description

The recombinant severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) non-structural protein 9 (NSP9) is a full-length protein expressed in E.coli. It contains the 1-113 amino acid sequence of human SARS-CoV-2 and carries a 10xHis-tag at the C-terminus. The purity of this NSP9 protein reaches up to 90% determined by SDS-PAGE. And it migrated to a molecular band of about 15 kDa on the gel under reducing conditions. Moreover, this NSP9 protein is in stock now. In addition to being as the immunogen for specific antibodies, this recombinant NSP9 protein may also be used in the studies of microbiology.

SARS-CoV-2 NSP9 is a small nonenzymatic protein that is not incorporated within the viral particles. As an RNA-binding protein, NSP9 assists with RNA-dependent RNA polymerase function, facilitating viral genomic RNA reproduction and viral replication during infection. It also mediates viral overall virulence.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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