

## COVID 19 NSP3 Coronavirus Recombinant Protein | COVID-19 recombinant protein

Recombinant SARS-CoV-2 (2019-nCoV) NSP3

|                              |                       |                                  |
|------------------------------|-----------------------|----------------------------------|
| CATALOG #<br><b>AAA41017</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunogen</b> |
|------------------------------|-----------------------|----------------------------------|

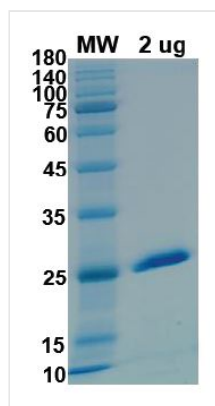
### PRODUCT SYNONYMS

COVID 19 NSP3 Coronavirus; Recombinant SARS-CoV-2 (2019-nCoV) NSP3; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; NSP3; COVID-19 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                          |                                                                                                                                                                                                                  |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                     | E Coli                                                                                                                                                                                                           |
| Purity/Purification                                      | >90% as determined by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.                                                                                                                             |
| Form/Format                                              | Lyophilized. Lyophilized from PBS pH 7.4, 5% Trehalose, 5% Mannose, 1mM EDTA                                                                                                                                     |
| Sequence Length                                          | 7096                                                                                                                                                                                                             |
| Applicable Applications for COVID-19 recombinant protein | Immunogen                                                                                                                                                                                                        |
| Species                                                  | Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)                                                                                                                                                     |
| Reconstitution                                           | Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-1.0mg/mL. Do not vortex.                                                                                                                            |
| Preparation and Storage                                  | Store at 2 to 8 degree C for one week.<br>Store at -20 to -80 degree C for twelve months from the date of receipt.<br>Use a manual defrost freezer and avoid repeated freeze thaw cycles.<br>Shipping: Ice packs |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for COVID-19 recombinant protein | <p>Recombinant SARS-CoV-2 NSP3 is produced by E.coli expression system and the target gene encoding Glu1024-Gln1198 is expressed with N-His Tag</p> <p>Background: The coronaviral proteases, papain-like protease (PLpro) and 3C-like protease (3CLpro), are attractive antiviral drug targets because they are essential for coronaviral replication. PLpro has the additional function of stripping ubiquitin and ISG15 from host-cell proteins to aid coronaviruses in their evasion of the host innate immune responses. Targeting PLpro with antiviral drugs may have an advantage in not only inhibiting viral replication but also inhibiting the dysregulation of signaling cascades in infected cells that may lead to cell death in surrounding, uninfected cells.</p> |
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NCBI AND UNIPROT INFORMATION

|                         |                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| NCBI GI #               | <a href="#">1791269089</a>                                                                         |
| Molecular Weight        | <p>Predicted Molecular Mass: 22.03kDa</p> <p>Actual Molecular Mass: 25kDa, reducing conditions</p> |
| NCBI Official Full Name | orf1ab polyprotein                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-nsp3-coronavirus-recombinant-protein-e-coli-immunogen/41017>