

## COVID 19 NSP2 Coronavirus Recombinant Protein | COVID-19 recombinant protein

Recombinant SARS-CoV-2 (2019-nCoV) NSP2

|                              |                       |                                  |
|------------------------------|-----------------------|----------------------------------|
| CATALOG #<br><b>AAA41022</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunogen</b> |
|------------------------------|-----------------------|----------------------------------|

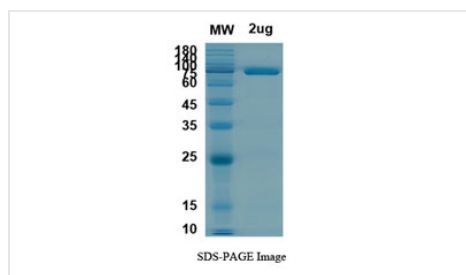
### PRODUCT SYNONYMS

COVID 19 NSP2 Coronavirus; Recombinant SARS-CoV-2 (2019-nCoV) NSP2; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; NSP2; SARS-Cov 2 p65 homolog; COVID-19 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                          |                                                                                                                                                                                                                  |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                     | E Coli                                                                                                                                                                                                           |
| Purity/Purification                                      | >90% as determined by SDS-PAGE                                                                                                                                                                                   |
| Form/Format                                              | Lyophilized. Lyophilized from PBS pH 7.4, 5% Trehalose, 5% Mannose, 1mM EDTA                                                                                                                                     |
| Sequence Length                                          | 638                                                                                                                                                                                                              |
| 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 NSP2 is produced by E.coli expression system and the target gene encoding Ala1-Gly638 is expressed with N-His Tag</p> <p>Background: The positive-stranded RNA genome of the coronaviruses is translated from ORF1 to yield polyproteins that are proteolytically processed into intermediate and mature nonstructural proteins (nsps). SARS-CoV 2 polyproteins incorporate 16 protein domains (nsps). The putative non-structural protein 2 (nsp2) of SARS-CoV plays an important role in viral transcription and replication, and is an attractive target for anti-SARS drug development.</p> |
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NCBI AND UNIPROT INFORMATION

|                           |                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                 | 1802476806                                                                              |
| NCBI Accession #          | YP_009725298.1                                                                          |
| NCBI GenBank Nucleotide # | YP_009725298.1                                                                          |
| Molecular Weight          | Predicted Molecular Mass: 72.81kDa<br>Actual Molecular Mass: 75kDa, reducing conditions |
| NCBI Official Full Name   | nsp2                                                                                    |

**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-nsp2-coronavirus-recombinant-protein-e-coli-immunogen/41022>