

## Recombinant COVID-19 3CL-Mpro Protein

Cat. No. 3CL-Mpro-136V    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant COVID-19 3CL-Mpro Protein(YP_009725295.1) was expressed in E. coli.                                                                                                                                                                 |
| <b>Species</b>          | Sars-CoV-2                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>Form</b>             | Liquid in sterile 50 mM Tris, 50 mmol NaCl, 50% Glycerol, pH 8.0.                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Bio-activity</b>     | Measured by its ability to cleave a peptide substrate, Dabcyl-KTSAVLQSGFRKME-Edans. Specific activity of 43.5 pmol/min/μg.                                                                                                                      |
| <b>Molecular Mass</b>   | It migrates as approximately 30.8 kDa band in SDS-PAGE under reducing conditions.                                                                                                                                                               |
| <b>Endotoxin</b>        | < 1.0 EU per μg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>           | ≥ 90 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Concentration</b>    | 1.62 mg/mL                                                                                                                                                                                                                                      |

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