

**Recombinant SARS-CoV-2 (Covid-19) 3C-like Proteinase**

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| <b>Catalog No :</b>        | YD2196   |
| <b>Reactivity :</b>        | Human virus  |
| <b>Applications :</b>      | ELISA ECL Immunogold   |
| <b>Purity :</b>            | >90% as determined by SDS-PAGE   |
| <b>Fields :</b>            | For research use only .Not for use in clinical diagnostic procedures.  |
| <b>Gene Name :</b>         | ORF1ab   |
| <b>Protein Name :</b>      | M Proteinase,main proteinase(Mpro),3C-like proteinase  |
| <b>Human Gene Id :</b>     | YP_009725301.1   |
| <b>Source :</b>            | E.coli   |
| <b>Dilution :</b>          | Testing in progress  |
| <b>Concentration :</b>     | >90% as determined by SDS-PAGE   |
| <b>Storage Stability :</b> | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.   |
| <b>Molecularweight :</b>   | 59.87kDa   |
| <b>Observed Band :</b>     | 59kDa  |
| <b>Background :</b>        | Recombinant SARS-CoV-2 3C-like Proteinase is produced by E.coli expression system and the target gene encoding Ser1-Thr304 is expressed with N-Gst Tag   |
| <b>Function :</b>          | The viral main proteinase (M pro , also called 3CL pro ), which controls the activities of the coronavirus replication complex. It functions as a cysteine protease engaging in the proteolytic cleavage of the viral precursor polyprotein to a series of functional proteins required for coronavirus replication and is considered as an appealing target for designing anti-SARS agents. |

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