

Recombinant SARS-CoV-2(Covid-19) PL-Pro

CatalogNo: YD2186

Key Features

Reactivity

- Human virus

MW

- 38.59kD (Calculated)
- 34kD (Observed)

Storage

Storage*

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.

Recommended Dilution Ratios

Basic Information

Source	E.coli
Purification	E.coli
Purity	>90% as determined by SDS-PAGE

Immunogen Information

Target Information

Gene name ORF1ab

Protein Name nsp3,PL-PRO,Papain-like proteinase,Peptidase C16 domain

Organism

Gene ID

UniProt ID

Human

[QHD43415.1](#);

Function

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.

| Validation Data

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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Recombinant SARS-CoV-2(Covid-19) PL-Pro

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