Best Tools for immunology Research

Recombinant SARS-CoV-2（Covid-19） NSP3

Catalog No :	YD2187
Reactivity :	Human virus
Applications :	ELISA ECL Immunogold
Purity :	>90% as determined by SDS-PAGE
Fields :	For research use only .Not for use in clinical diagnostic procedures.
Gene Name :	ORF1ab
Protein Name :	nsp3,PL-PRO,Papain-like proteinase,X domain（Macro domain）
Human Gene Id :	QHD43415.1
Source :	E.coli
Dilution :	Testing in progress
Concentration :	>90% as determined by SDS-PAGE
Storage Stability :	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.
Molecularweight :	22.03kDa
Background :	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
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.

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