

Recombinant SARS-CoV-2 3CL Protease (rSARS-CoV-23CL Protease)

Product Information

Cat#	DIA-842
Descriptions	Recombinant SARS-CoV-2 3CL Protease (rSARS-CoV-23CLProtease) is the main cysteine protease of SARS-CoV-2 that specifically cleaves viral polyproteins at conserved glutamine-containing sites, is a core target for antiviral drug screening, and is widely used for inhibitor development and virology mechanism research.
Applications	Recombinant SARS-CoV-2 3CL Protease (rSARS-CoV-23CLProtease) is applied in antiviral drug screening detection kits and viral protease activity assay reagent development.
CAS No.	6261-06-1816
Enzyme Source	Escherichia coli
Form	White lyophilized powder Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.0, with 5% Trehalose, 0.02% Tween-20.
Reaction	The 3CL protease (aka 3CLpro, Mpro or "Main" Protease) from the human SARS-CoV-2 coronavirus is a C30-type cysteine protease. 3CLpro activity is required to process the viral polyprotein into functional, mature subunits. Along with the CoV-2 Papain-Like Protease, 3CLpro presents an attractive target for therapeutic intervention for COVID-19.
Activity Definition	Test in process.
Purity	> 97% by SDS-PAGE
Package	50 µg, 100 µg