

2019-nCoV PL^{pro}, Active

Catalog No: C19PL-G241H

2019-nCoV papain-like protease (PL^{pro}), is a virally encoded cysteine protease that acts on three cleavage sites of the viral polyprotein to release mature non-structural proteins (nsp) 1, 2 and 3, a process that is essential for viral replication. Several SARS-CoV-2 targeting PL^{pro} inhibitors such as Mycophenolic acid, Grazoprevir, Chloroquine are under investigation and can be expected to inhibit virus replication, making this enzyme one of the most attractive targets for treatment of COVID-19. SignalChem's 2019-nCoV PL^{pro} was expressed in E.coli cells with an N-terminal His tag and is an ideal candidate to develop effective antivirals against SARS-CoV-2.

Unique Selling Points



Biologically active and fully functional



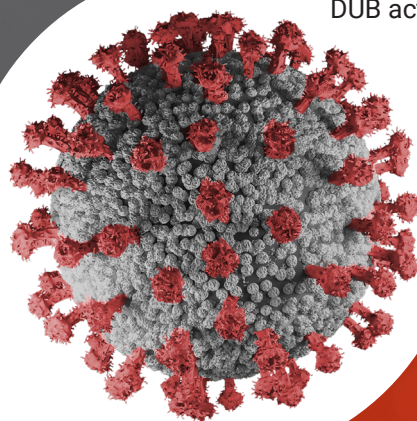
Protease Activity determined using proteolytic activity assay



DUB (Deubiquitinating) Activity determined using DUB activity assay



Effective for activity assays & inhibition profile studies



Competitors

abcam

R&D SYSTEMS
a **biotechne** brand



Sino Biologica
Biological Solution Specialists

Target Customers



Biopharmaceutical companies developing antiviral drugs



Biopharmaceutical companies developing vaccines



Government research organizations



Scientists studying SARS-CoV-2 structure and mode of actions



Universities investigating SARS-CoV-2