Active Recombinant SARS-CoV1 3CL Protease, His-tagged

Cat. No. nsp5-107S **Lot. No.** (See product label)

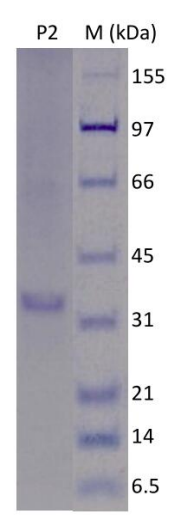
SPECIFICATION

Product Overview	Recombinant 3-chymotrypsin-like (3CL) protease of the SARS-CoV1, a monomeric polypeptide of 318 (307+11) amino acids, with His at C-terminus was expressed in E coli cells and purified by an affinity column in combination of other chromatograph methods.
Species	SARS-CoV-1
Source	E.coli
Description	Severe Acute Respiratory Syndrome (SARS), an emerging disease characterized by atypical pneumonia, has been attributed to a novel coronavirus (SARS CoV). The SARS 3C like protease (SARS 3CL(pro)) is 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 attractive target for therapeutics against SARS.
Bio-activity	Recombinant 3CL protease of SARS-CoV1 is suitable for screening its inhibitors and other related function assays.
Molecular Mass	34 kDa
AA Sequence	MSGFRKMAFPSGKVEGCMVQVTCGTTTLNGLWLDDTVYCPRHVICTAEDMLNPNY EDLLIRKSNHSFLVQAGNVQLRVIGHSMQNCLLRLKVDTSNPKTPKYKFVRIQPGQT FSVLACYNGSPSGVYQCAMRPNHTIKGSFLNGSCGSVGFNIDYDCVSFCYMHHME LPTGVHAGTDLEGKFYGPFVDRQTAQAAGTDTTITLNVLAWLYAAVINGDRWFLNRF

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	TTTLNDFNLVAMKYNYEPLTQDHVDILGPLSAQTGIAVLDMCAALKELLQNGMNGRT ILGSTILEDEFTPFDVVRQCSGVTFQGGGLEHHHHHH*
Purity	≥ 90%, as determined by SDS-PAGE.
Storage	The protein sample can be stored under sterile conditions at 2-8 centigrade for one month or at -20 to -70 centigrade for three months without detectable loss of activity.
Storage Buffer	Formulation 20 mM Tris-Cl, pH7.9, 20% glycerol, 100 mM NaCl, 1 mM DTT and 0.5 mM EDTA.

GENE INFORMATION

Official Symbol	nsp5
Synonyms	3CL; 3C-like proteinase; 3CL PRO; 3CLp; nsp5
Protein Refseq	NP_828863
SDS-PAGE	

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