Active Recombinant MERS 3CL Protease, His-tagged

Cat. No. nsp5-108M **Lot. No.** (See product label)

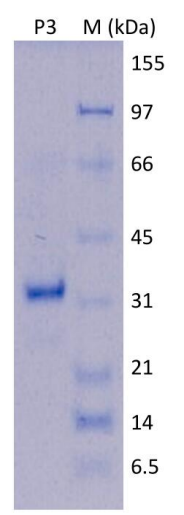
SPECIFICATION

Product Overview	Recombinant 3-chymotrypsin-like (3CL) protease of the MERS, a monomeric polypeptide of 312 (301+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	MERS-CoV
Source	E.coli
Description	Middle East Respiratory Syndrome (MERS) is viral respiratory illness that is new to humans. It was first reported in Saudi Arabia in 2012 and has since spread to several other countries, including the United States. Most people infected with MERS-CoV developed severe respiratory illness, including fever, cough, and shortness of breath.
Bio-activity	Recombinant 3CL protease of MERS is suitable for screening its inhibitors and other related function assays.
Molecular Mass	33 kDa
AA Sequence	MSGLVKMSHPSGDVEACMVQVTCGSMTLNGLWLDNTVWCPRHVMCPADQLSDP NYDALLISMTNHSFSVQKHIGAPANLRVVGHAMQGTLLKLTVDVANPSTPAYTFTTV KPGAAFSVLACYNGRPTGTFTVVMRPNYTIKGSFLCGSCGSVGYTKEGSVINFCYM HQMELANGTHTGSAFDGTMYGAFMDKQVHQVQLTDKYCSVNVVAWLYAAILNGCA WFVKPNRTSVVSFNEWALANQFTEFVGTQSVDMLAVKTGVAIEQLLYAIQQLYTGF QGKQILGSTMLEDEFTPEDVNMQGGGLEHHHHHH*

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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	YP_00904217
SDS-PAGE	

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