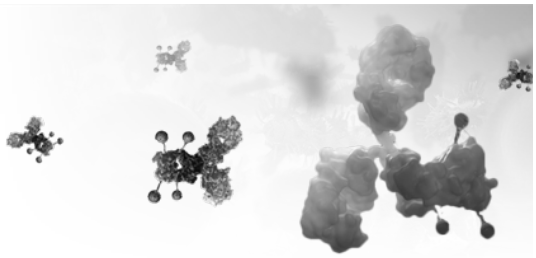

Recombinant SARS-CoV-2 3C-like Proteinase [His, Avi] (DAGC357)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) 3CL Protease (YP_009725295.1) (Ser3264-Gln3569) was expressed with a N-terminal polyhistidine tagged AVI tag at the N-terminus.
Species	SARS-CoV-2
Purity	> 95 % as determined by SDS-PAGE.
Conjugate	His, Avi
Applications	ELISA
Predicted N terminal	Met
Molecular Weight	The recombinant SARS-CoV-2 (2019-nCoV) 3CL Protease consists of 328 amino acids and predicts a molecular mass of 36.57 kDa.
Format	Lyophilized
Size	100 µg, 1 mg
Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Preservative	None
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

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Introduction	3C-like protease (3CLpro) is the main protease of Humann Coronavirus. 3C-like protease (3CLpro) is a key enzyme, as it cleaves several sites to produce non-structural proteins that are essential for genome replication and Coronavirus virion production, such as an RNA-dependent RNA polymerase, a helicase, ribonucleases and 3CLpro itself, from two types of polyproteins (pp1a and pp1ab). SARS-CoV 3CLpro exists as a homodimer and each protomer has an active site.
Keywords	M Proteinase; 3CL Proteinase; SARS-CoV-2; SARS-CoV-2 3CL pro; 3CLpro; SARS-CoV-2 3CLpro

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