

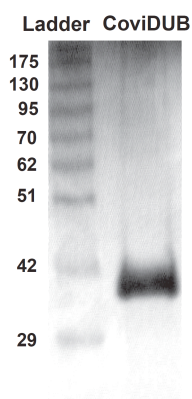
ProteinX

Product Data Sheet for Cat#CoviDUB-50µg / Cat#CoviDUB-100µg / Cat#CoviDUB-1mg

Recombinant SARS-coV2 nsp3 DUB/delSG15 domain (MN908947.3, orf1ab-QHD43415.1)

Product Name	rDUB domain, SARS-coV2 nsp3 protein
Description	Deubiquitinase, DUB, Recombinant DUB domain of SARS-coV2 nsp3 protein, PLpro, Protease
Accession Number	MN908947.3, orf1ab-QHD43415.1
Predicted MW	35,8 kDa
Tag	6xHis-Tag
Amount	>50 µg as determined by microplate BCA method
Purity	>90% as determined by SDS-PAGE and Coomassie blue staining
Expression Host	Bacteria (E. Coli)
Preparation	Recombinant protein was captured through Histag affinity column followed by conventional chromatography steps (PMID: 26156848).
Form	Powder
Storage	Store at -80°C after arrival
Stability	The product can be stored for up to 12 months. Avoid repeated freeze-thaw cycles.
Summary	SARS-coV2 nsp3 protein is a large multidomain protein that includes DUB/delSG15 domain. Deconjugating activities of viral proteins in Coronaviruses are required for antagonism of the host antiviral innate immune response and processing of several non-structural proteins (nsp). Deubiquitinating/DelSGylating domain of nsp3, also known as PLpro domain, recognizes and cleaves at LXGG amino acids between nsp1-2, nsp2-3, and nsp3-4, and at C-terminus of human ubiquitin (UB) and ISG15 proteins. This cleavage is essential for viral replication.
Research areas	R&D only. Biochemicals, Pharmacology, Drug discovery and development

Product images



Coomassie blue staining of purified DUB/DelSG15 domain of SARS-coV2 nsp3 protein (Cat# CoviDUB-50 μ g). The protein was produced from E. Coli cells transfected with SARS-coV2 nsp3 DUB/DelSG15 expression vector and protein expression was induced with IPTG.

Precautions

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices. Through your purchase, you expressly represent and warrant to ProteinX that you will properly test and use any Products purchased from ProteinX in accordance with industry standards. ProteinX and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. Please visit our Terms & Conditions page for more information.

Disclaimer

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Other Notes

Small amounts of recombinant proteins may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any powder in the container's cap. Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the certificate of analysis for further information. Note that shipping conditions may differ from storage conditions.