Recombinant COVID-19 NSP1 protein, His-tagged

Cat. No. NSP1-001V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 NSP1 full length or partial length protein was fused to His-tag and expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
Description	Inhibits host translation by interacting with the 40S ribosomal subunit. The nsp1-40S ribosome complex further induces an endonucleolytic cleavage near the 5'UTR of host mRNAs, targeting them for degradation. Viral mRNAs are not susceptible to nsp1-mediated endonucleolytic RNA cleavage thanks to the presence of a 5'-end leader sequence and are therefore protected from degradation. By suppressing host gene expression, nsp1 facilitates efficient viral gene expression in infected cells and evasion from host immune response.
Form	PBS, pH7.4.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>80%
Storage	Store it at 4 ºC for short time. For long term storage, store it at -20ºC to -80ºC.
Warning	For Research Use Only.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	orf1ab
Official Symbol	orf1ab
Synonyms	pp1ab
Gene ID	1489680
Protein Refseq	NP_828860.2
UniProt ID	P0C6X7

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