Recombinant SARS-CoV-2 ORF3a Protein, His-tagged

Cat. No. ORF3a-011V **Lot. No.** (See product label)

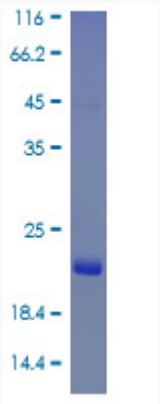
SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 ORF3a Protein((QHD43417.1) (126~275aa), fused to a His tag, was expressed in E. coli.
Species	SARS-CoV-2
Source	E.coli
ProteinLength	126-275aa
Description	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ ORF3a encodes a viral accessory protein. Based on its similarity to other coronavirus proteins, ORF3a protein is thought to be a protein with ion channel activity (viroporin) that activates the NLRP3 inflammasome. ORF3a may also play a role in virus replication and pathogenesis.
Form	Liquid
Molecular Mass	18.4 kDa
Purity	> 95% by SDS-PAGE

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Applications	ELISA, SDS-PAGE, WB
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In PBS, pH 7.2.

GENE INFORMATION

Gene Name	ORF3a protein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	ORF3a
Synonyms	GU280_gp03
Gene ID	43740569
Protein Refseq	YP_009724391.1
SDS-PAGE	

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