

Specifications:

Gene:	SARS-CoV-2 ORF3a
Accession:	YP_009724391.1
Insert size:	841bp
Concentration:	10µg at 0.2µg/µL

**SARS-CoV-2 ORF3a
cDNA Plasmid**

ORF3a ORF3a protein [Severe acute respiratory syndrome coronavirus 2]

Summary:

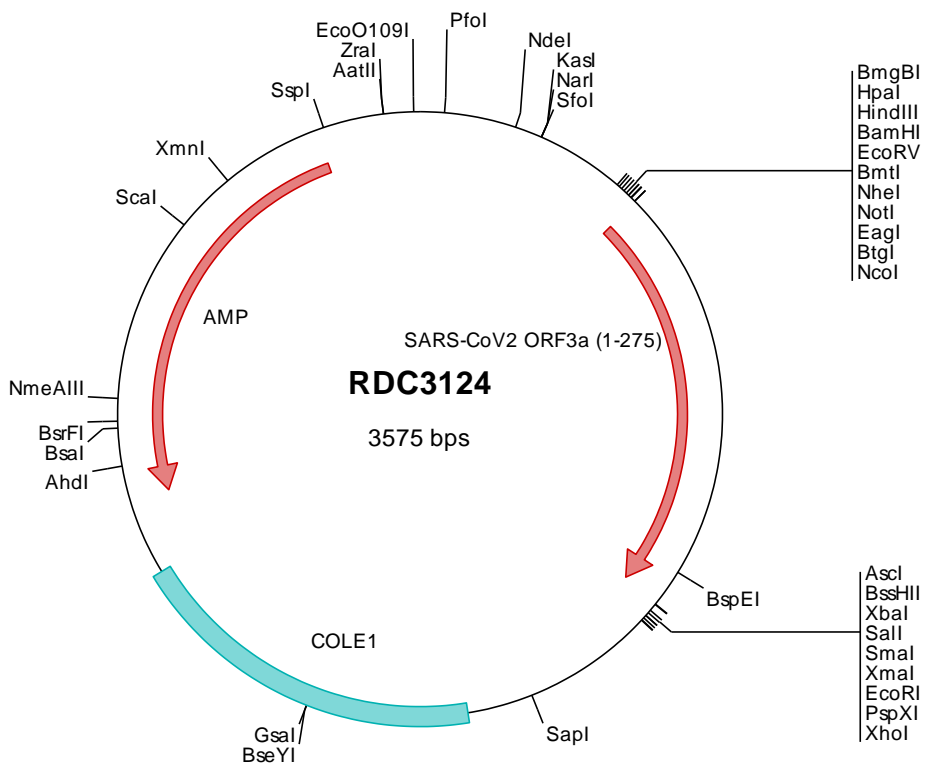
ORF3a is a SARS-CoV2 viral accessory protein. Based on its similarity to other coronavirus proteins, ORF3a protein is thought to be a protein with ion channel activity (viroporin) that activates the NLRP3 inflammasome. ORF3a may also play a role in virus replication and pathogenesis.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3124 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcctat
301 tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atggatttgt ttatgagaat cttcacaatt ggaactgtaa ctttgaagca
501 aggtgaaatc aaggatgcta ctcttcaga ttttgttcgc gctactgcga cgaaccgat acaagcctca ctccccttcg gatggcttat tgttggcgtt
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2501 acttggctgt acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga
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> RDC3124 Translated Insert Sequence

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