

Specifications:

Gene:	SARS-CoV-2 NSP12
Accession:	YP_009725307.1
Insert size:	2815bp
Concentration:	10µg at 0.2µg/µL

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

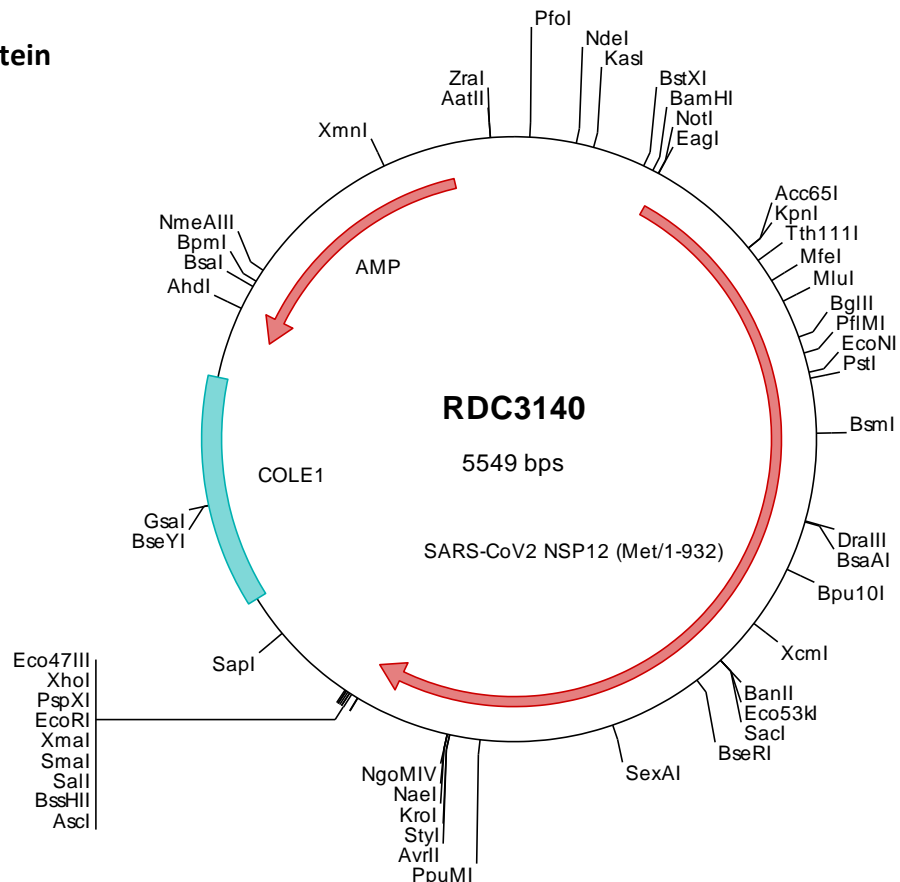
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

SARS-CoV-2 NSP12 cDNA Plasmid

ORF1ab ORF1a
polyprotein;ORF1ab polyprotein
[*Severe acute respiratory syndrome coronavirus 2*]

Summary:

NSP12 is a nonstructural protein found in the Coronavirus polyprotein. SARS-CoV-2 nonstructural proteins are responsible for viral transcription, replication, proteolytic processing, suppression of host immune responses and suppression of host gene expression. SARS-CoV2 Nsp12 is the RNA dependent RNA polymerase (RdRp), which is the vital enzyme of coronavirus replication/transcription complex. The Nsp7-Nsp8 complex increases the binding of Nsp12 to RNA and enhances the RdRps enzyme activity of Nsp12.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

