

**Specifications:**

Gene:	HCoV-NL63 Nucleocapsid
Accession:	YP_003771.1
Insert size:	1147bp
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**

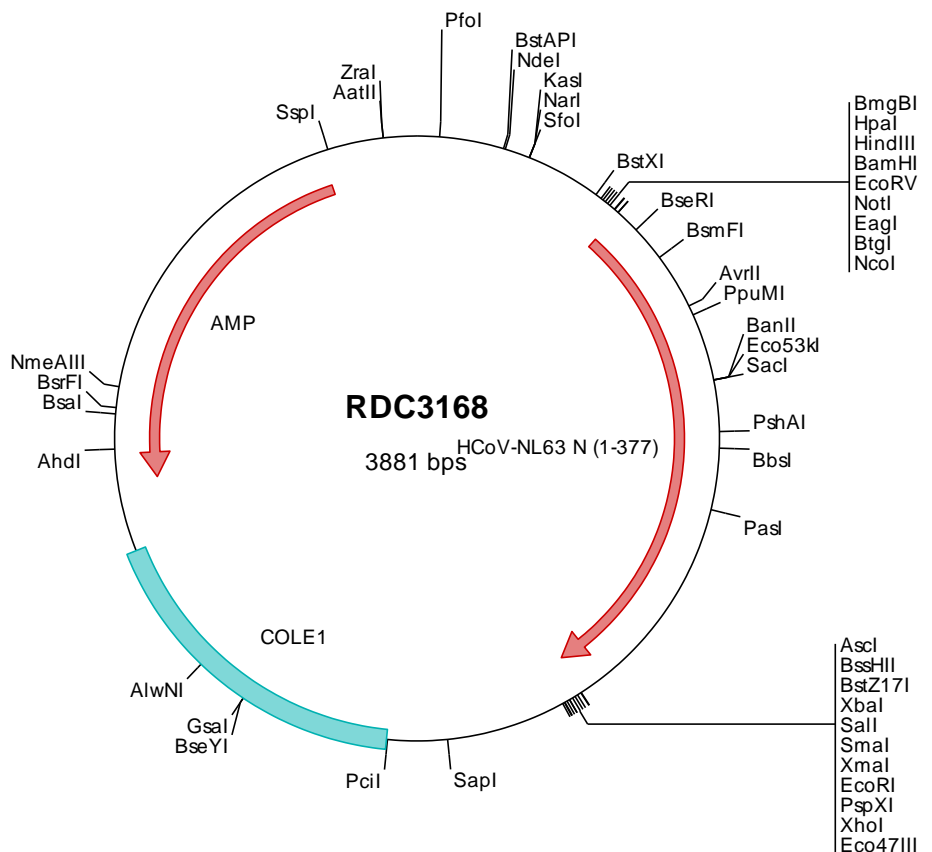
Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5  
 Shipping Ships at ambient temperature  
 Stability 1 year from date of receipt when stored at -20°C to -80°C  
 Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**HCoV-NL63  
Nucleocapsid cDNA  
Plasmid**

**HCoV63gp6 nucleocapsid  
protein [ *Human coronavirus  
NL63* ]**

**Summary:**

The HCoV-NL63 nucleocapsid is the major structural component of the viral capsid. It facilitates RNA packing, links the capsid to the envelope, and is involved in multiple other processes, including viral replication and evasion of the immune system.



> RDC3168 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatcg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggaatgtgctg caaggcgatt aagttgggta acgcccagggt ttccccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgccaacc atggctagtg taaattgggc cgatgacaga gctgtagga agaaatttcc
501 tctctcttca ttttcaatgc ctcttttgggt tagttctgat aaggccaact atagggtcat tcccaggaat cttgtcccta ttggttaagg taataaagat
601 gagcagattg gttattggaa tgttcaagag cgttggcgta tgccgagggg gcaacgtggt gatttgctc ctaaagttca tttttattac ctaggctactg
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2601 gtttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct gacgctcagt ggaacgaaaa
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3801 aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggg gtatcacgag gccctttctg c

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> RDC3168 Translated Insert Sequence

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1 masvnwaddr aarkkfppps fymp11vssd kapyrviprn lvpigkgnkd egigywnvqe rwrmrqgrv dlppkhvfyy lgtgphkdlk frqrsdgvvw
101 vakegaktvn tslgnrkrnq kplepkfsia lppelsvvef edrsnssra srsstrnns rdssrstsrq qsrtrsdnsq sssdlvaavt lalknlgfdn
201 qskspsssgt stpkpknkpl sqpradkpsq lkkprwkrvp treenviqcf gprdfnhnmg dsdlvqngvd akgfplael ipnqaalfd sevstdevgd
301 nvqitytykm lvakdnknlp kfieqisafk kpssikemqs qsshvaqntv lnasipeskp ladddsaiie ivnevlh

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