

Product datasheet for **VC100594**

HCoV-NL63 ORF3 Gene Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-NL63 ORF3 Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	protein 3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100594 represents NCBI reference of YP_003768 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTTTGGAGGTCTGTTTCAGCTCACCTGGAAAGTACTATTAACAAAAGCGTGGCCAACCTCAAGC
TCCCACCTCAGCAGTGACAGTGCTGAGAGATAACCTGAAGCCTGCTCACTACTCTGTCTACCATCACCGC
CTACCTGTTGGTGTCCCTTTTCGTTACCTACTTTGCATTGTTCAAGCCTCTGACCGCAAGAGGCAGGGTT
GCATGTTTCGTCCTGAAACTCCTCACATTGTTTGTGTATGTTCCACTGCTGGTGTCTGTTCCGGATGTATC
TGGACAGTTTCATCATTTTCTCCACCCTCTGTTCCGCTTTATCCACGTGGGCTATTATGCCTACCTGTA
CAAAAACCTTTTCCTTCGTCCTGTTTAACTGACGAAACTCTGTTTCGTCGAGGCAAGTGTGGTATCTT
GAGCAGTCCTTCTACGAAAATAGGTTTCGCTGCCATATATGGGGGGGATCACTACGTAGTGTGGCGGCG
AGACCATCACCTTTGTCAGCTTTGACGACCTGTACGTGGCCATTCGCGGCTCATGCGAGAAGAATCTTCA
ACTGATGCGAAAAGTGGACCTGTATAACGGAGCCGTAATTTACATTTTCGCCGAAGAACCCTGCTGGGA
ATTGTCTACTCTTCAACTGTACGAGGATGTACCCAGTATTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100594 representing YP_003768
 Red=Cloning sites Green=Tags

MPFGGLFQLTLESTINKSVANLKLPPHDVTVLRDNLKPVTTLSTITAYLLVSLFVTYFALFKPLTARGRV
 ACFVLKLLTLFVYVPLLVLFGMYLDSFIIFSTLLFRFIHVGYAYLYKNFSFVLFNVTKLCFVSGKCWYL
 EQSFYENRFAAIYGGDHYVVLGGETITFVSFDDLYVAIRGSCEKNQLMRKVDLYNGAVIYIFAEEPVVG
 IVYSSQLYEDVPSIN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_005831

ORF Size: 675 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NC_005831.2](#), [YP_003768](#)

RefSeq ORF: 675 bp

Locus ID: 2943500

MW: 25.7 kDa