

Product datasheet for VC100603

HCoV-OC43 NS3 Gene Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HCoV-OC43 NS3 Gene Tagged ORF Clone

Tag: Myc-DDK

Symbol: NS3

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >The Viral ORF clone VC100603 represents NCBI reference of NP_937952 with codon

Sequence: optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTTCATGGCCGATGCCTACCTCGCCGACACCGTGTGGTACGTCGGACAGATTATTTTCATCGTGGCAA
TCTGCCTGCTCGTGACCATCGTGGTTGTCGCCTTCCTGGCTACCTTCAAGCTTTGCATTCAGCTGTTGG
GATGTGTAATACCCTGGTGCTGTCACCCAGCATCTATGTGTTCAATAGAGGGCGCCAGTTTTACGAATTC

TACAACGACGTCAAGCCACCTGTGTTGGACGTGGACGACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100603 representing NP_937952

Red=Cloning sites Green=Tags

MFMADAYLADTVWYVGQIIFIVAICLLVTIVVVAFLATFKLCIQLCGMCNTLVLSPSIYVFNRGRQFYEF

YNDVKPPVLDVDDV

TRTRRLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites: Sgfl-Mlul



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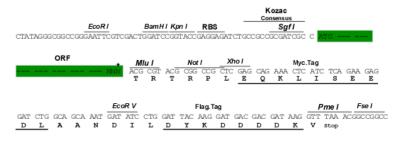
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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NC_005147

ORF Size: 252 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).



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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 005147.1, NP 937952

 RefSeq ORF:
 252 bp

 Locus ID:
 2648206

 MW:
 9.5 kDa