

Product datasheet for VC100606

HCoV-OC43 N2 Gene Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HCoV-OC43 N2 Gene Tagged ORF Clone

Tag: Myc-DDK

Symbol: N2

Mammalian Cell Neomycin

Selection:

Sequence:

Vector: pCMV6-Entry (PS100001)

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

ORF Nucleotide

>The Viral ORF clone VC100606 represents NCBI reference of NP_937955 with codon

optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100606 representing NP_937955

Red=Cloning sites Green=Tags

MATSVNCCHDGIFTIWEQDRMLKTSTAPILTESTGSLATRLMSIPRLTLSIGTQVAMRLFRLGFRLARYS

LRVTILKAQEGLLLIPDLLRAHPAEPLVQDRVVEPILAIEPLPLV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



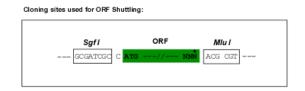
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

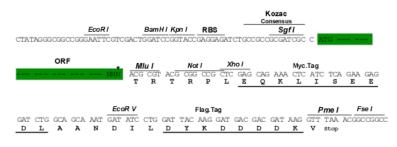
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Cloning Scheme:





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

ACCN: NC_005147

ORF Size: 345 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.



HCoV-OC43 N2 Gene Tagged ORF Clone - VC100606

RefSeq: NC 005147.1, NP 937955

 RefSeq ORF:
 345 bp

 Locus ID:
 2648212

 MW:
 12.8 kDa