

Product datasheet for VC102258

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Coronavirus IBV nsp7 (GLF) Gene Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Coronavirus IBV nsp7 (GLF) Gene Tagged ORF Clone

Tag: Myc-DDK

Symbol: coronavirus nsp7 (GLF)

Mammalian Cell

Selection:

Sequence:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide

>The Viral ORF clone VC102258 represents NCBI reference of NP_740628 with codon

optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGCAAAGGCCATGAAACCGAGGAGGTAGATGCCGTTGGTATACTGTCTTTGTGCAGCTTCGCAGTCG
ACCCAGCCGATACCTATTGTAAATACGTGGCTGCCGGGAACCAGCCCCTGGGGAACTGTGTCAAGATGCT
CACAGTGCACAATGGCTCAGGGTTCGCCATAACCAGTAAGCCAAGCCCTACACCAGACCAAGATTCATAT
GGCGGCGCTAGCGTGTGCTTGTATTGCCGGGCACATATAGCACACCCTGGGAGTGTCGGGAACCTGGACG
GCCGCTGTCAGTTCAAGGGCTCCTTCGTGCAAATCCCCACTACGGAAAAGGACCCTGTGGGCTTCTGTCT
CAGGAACAAGGTGTGTACTGTCTGCCAATGCTGGATTGGATACGGGTGTCAGTGCGACAGTCTCCGGCAA

CCGAAAAGTAGTGTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102258 representing NP_740628

Red=Cloning sites Green=Tags

MSKGHETEEVDAVGILSLCSFAVDPADTYCKYVAAGNQPLGNCVKMLTVHNGSGFAITSKPSPTPDQDSY GGASVCLYCRAHIAHPGSVGNLDGRCOFKGSFVQIPTTEKDPVGFCLRNKVCTVCQCWIGYGCQCDSLRQ

PKSSVQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

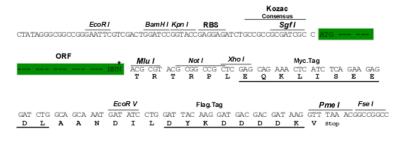
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





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

ACCN: NC_001451

ORF Size: 438 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.

RefSeg: NC 001451.1, NP 740628





RefSeq ORF: 438 bp **MW:** 15.6 kDa