

Product datasheet for **VC102258**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>The Viral ORF clone VC102258 represents NCBI reference of NP_740628 with codon optimized for human cell expression</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p>

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAAAGGCCATGAAACCGAGGAGGTAGATGCCGTTGGTATACTGTCTTTGTGCAGCTTCGCAGTCG
 ACCCAGCCGATACCTATTGTAATACGTGGCTGCCGGGAACCAAGCCCTGGGGAAGTGTCAAGATGCT
 CACAGTGCACAATGGCTCAGGGTTCGCCATAACCAGTAAGCCAAGCCCTACACCAGACCAAGATTTCAT
 GGCGGCGCTAGCGTGTGCTTGTATTGCCGGGCACATATAGCACACCCCTGGGAGTGTGGGAACCTGGACG
 GCCGCTGTCAAGGCTCCTTCGTGCAAAATCCCCACTACGGAAAAGGACCCCTGTGGGCTTCTGTCT
 CAGGAACAAGGTGTGACTGTCTGCCAATGCTGGATTGGATACGGGTGTCAGTGCACAGTCTCCGGCAA
 CCGAAAAGTAGTGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	<p>>VC102258 representing NP_740628</p> <p>Red=Cloning sites Green=Tags</p> <p>MSKGHETEEVDVAGILSLCSFAVDPADTYCKYVAAGNQPLGNCVKMLTVHNGSGFAITSPSPTPDQDSY GGASVCLYCAHIAHPGSVGNLDGRCQFKGSFVQIPTTEKDPVGFCLRNKVCVCQWIGYGCQCDLSLRQ PKSSVQ</p>
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TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



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.

RefSeq: [NC_001451.1](#), [NP_740628](#)

RefSeq ORF: 438 bp
MW: 15.6 kDa