

## Product datasheet for **VC102257**

### Coronavirus IBV nsp6 Gene Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Coronavirus IBV nsp6 Gene Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** coronavirus nsp6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC102257 represents NCBI reference of NP\_740627 with codon optimized for human cell expression  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAATGAGCTTATGCCCCACGGAGTGAAAACCAAGGCCTGTGTGCTGGAGTCGACCAGGCACACT  
GCTCAGTGGAGTCTAAGTGCTACTATACCAATATCAGTGGCAACAGTGTCTGGCCGCGATTACATCCTC  
TAACCCCAACCTGAAGGTGGCTAGTTTTCTGAACGAAGCCGAAATCAGATATACGTGGACCTGGACCCC  
CCCTGTAAGTTCGGCATGAAGTTGGAGTTAAGGTAGAAGTAGTGTATCTGTACTTTATCAAAAACACGC  
GCAGCATCGTGGAGGTATGTTCTGGGGCAATATCTAATGTGGTGGTCCTTCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102257 representing NP\_740627  
**Red**=Cloning sites **Green**=Tags

MNNEIMPHGVKTKACVAGVDQAHCESVESKCYTNIISGNSVVAAITSSNPNLKVASFLNEAGNQIYVDLDP  
PCKFGMKVGVKVEVVYLYFIKNTRSIVRGMVLGAISNVVVLQ

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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Cloning Scheme:



ACCN: NC\_001451

ORF Size: 336 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](mailto: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\_740627  
RefSeq ORF: 336 bp  
MW: 12.1 kDa