

## Product datasheet for VC102255

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OriGene Technologies, Inc.

# **Coronavirus IBV nsp4 Gene Tagged ORF Clone**

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Coronavirus IBV nsp4 Gene Tagged ORF Clone

Tag: Myc-DDK

**Symbol:** coronavirus nsp4

Mammalian Cell Neomycin

Selection:

Vector:

pCMV6-Entry (PS100001)

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

ORF Nucleotide >The Viral ORF clone VC102255 represents NCBI reference of NP\_740625 with codon

Sequence: optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCTAAGCTCAGCGACGTTAAATGCACCACTGTAGTTCTCATGCAGCTCCTCACCAAGCTGAACGTGGAAGCTAACAGTAAAATGCACGTGTACCTGGTCGAACTCCACAATAAGATCCTCGCTAGTGACGATGTGGGTGAATGCATGGATAACCTTCGCATGACCTTTCTGCATTGACCTAGCCATTGACCTGTCC

GAGTACTGCGACGACATACTGAAGCGCTCTACCGTCCTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102255 representing NP\_740625

Red=Cloning sites Green=Tags

MAKLSDVKCTTVVLMQLLTKLNVEANSKMHVYLVELHNKILASDDVGECMDNLLGMLITLFCIDSTIDLS

EYCDDILKRSTVLQ

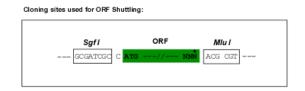
**TRTRRL**EQKLISEEDLAANDILDYKDDDDK**V** 

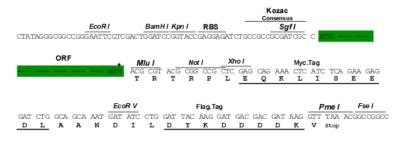
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NC\_001451

ORF Size: 252 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in F. soli are highly likely to result in mutations and/or rearrangements. Therefore

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 <a href="mailto:customercom">customercom</a> 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).



## **Coronavirus IBV nsp4 Gene Tagged ORF Clone - VC102255**

**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.

NC 001451.1, NP 740625 RefSeq:

RefSeq ORF: 252 bp MW: 9.4 kDa