

## **Product datasheet for VC102237**

## OriGene Technologies, Inc.

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## putative NS4A protein (NC\_001655) Virus Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** putative NS4A protein (NC\_001655) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: putative NS4A protein

Mammalian Cell Neomycin

Selection:

Sequence:

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

ORF Nucleotide >The Viral ORF clone VC102237 represents NCBI reference of NP\_757358 with codon

optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCTGGGACAGCCGCTCTGGCTGTGGGGGTTGGCGTTGCCATGGCGTACCTGGCCATCGATACGTTCGGCGCTACCTGCGCCCCAGTAGTTGGAGCATCACAAGCGTGCCTACCGGGGCCACAGTCGCCCCAGTAGT

AGATGAGGAAGAAATAGTGGAGGAGTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102237 representing NP\_757358

Red=Cloning sites Green=Tags

MSGTAALAVGVGVAMAYLAIDTFGATCVRRCWSITSVPTGATVAPVVDEEEIVEEC

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

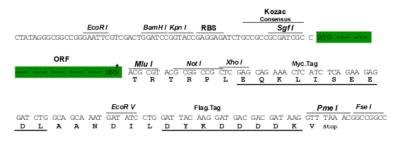
**Restriction Sites:** Sgfl-Mlul





## **Cloning Scheme:**





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

**ACCN:** NC\_001655

ORF Size: 168 bp

OTI Disclaimer: 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 001655.1, NP 757358

 RefSeq ORF:
 168 bp

 MW:
 5.7 kDa