

Product datasheet for VC100759

OriGene Technologies, Inc.

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genome linked protein VPg (NC_002058) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: genome linked protein VPg (NC_002058) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: genome linked protein VPg

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-Entry (PS100001)

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

ORF Nucleotide >The Viral ORF clone VC100759 represents NCBI reference of NP_740475 with codon

Sequence: optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGGGCGTATACCGGATTGCCCAATAAAAAACCCAATGTGCCCACAATTAGGACTGCCAAGGTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100759 representing NP_740475

Red=Cloning sites Green=Tags

MGAYTGLPNKKPNVPTIRTAKVQ

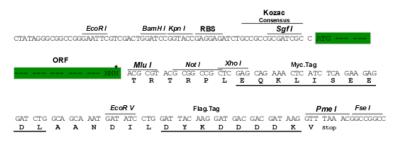
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



Cloning Scheme:





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

ACCN: NC_002058

ORF Size: 69 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 002058.3, NP 740475

RefSeq ORF: 69 bp





MW: 2.5 kDa