

Product datasheet for **VC102107**

1B (VP2) (NC_001490) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1B (VP2) (NC_001490) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1B (VP2)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102107 represents NCBI reference of NP_740516 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACCTAACGTAGAAGCATGCGGGTATTCAGACCGCGTCCAACAGATTACACTGGGGAATCCACCA
TTACCACACAGGAGGCCGCTAATGCCGTGGTTTGCTATGCTGAATGGCCAGAATACCTTCCCGACGTCGA
TGCATCTGATGTGAACAAGACAAGCAAACCAGATACTTCAGTGTGTAGGTTCTACACGCTCGATTTCCAAG
ACATGGACTACAGGGTCCAAGGGTGGTGTGGAAGCTGCCAGACGCCCTGAAGGACATGGGCGTCTTTG
GCCAAAATATGTTTTTTCACAGTCTGGGTAGATCCGGTTACACTGTGCAGTTTCAGTGCAACGCTACCAA
GTTTCACTCAGGATGTCTCCTGGTCTGGTTATTCCTGAGCACCAACTGGCTAGCCACGAGGAGGAAAC
GTCTCCGTGAAATATACGTTCACTCATCCTGGCGAGAGAGGCATTGATCTGTCTTCAGCGAATGAGGTGG
GCGGCCCGGTGAAAGACGTGATATAAATGAACGGTACTCTGCTCGGCAATCTTCTTTTCCACA
CCAGTTCATTAACCTTAGGACCAACAACACCGCCACGATCGTAATTCCTTACATCAACAGTGTGCCTATC
GACAGCATGACACGGCACAATAATGTTTCATTGATGGTGTATCCCGATCGCCCCACTGACCGTGCCTACAG
GGGCCACGCCCTCCCTGCCCATACCGTGACGATCGCCCCAATGTGTACCGAGTTCAGTGGGATACGCAG
TAAAAGTATCGTACCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102107 representing NP_740516
Red=Cloning sites Green=Tags

MSPNVEACGYSDRVQQITLGNSTITTQEAANAVVCYAEWPEYLPDVDASDVNKTSPDTSVCRFYTLDSK
 TWTGSGKGCWKLDPALKDMGVFGQNMFFHSLGRSGYTVHVQCNAKFFHSGCLLVVVIPEHQLASHEGGN
 VSVKYTFTHPGERGIDLSSANEVGGPVKDVYINMNGTLLGNLLIFPHQF INLRTNNTATIVIPYINSVPI
 DSMTRHNNVSLMVIPIAPLTVPTGATPSLPITVTIAPMCTEFSGIRSKSIVPQ

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001490

ORF Size: 789 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_001490.1, NP_740516
RefSeq ORF: 789 bp
MW: 28.6 kDa