

Product datasheet for **VC102182**

1B VP2 mature peptide (NC_001489) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1B VP2 mature peptide (NC_001489) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1B VP2 mature peptide
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102182 represents NCBI reference of NP_740550 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATCGAGGAGGAGCAAATGATCCAGTCTGTGGACCGAACCGCCGTGACCGGGCTAGCTACTTCA
CAAGCGTGGACCAGAGCAGCGTCCACACAGCCGAGGTCGGTCCCACCAGGTTGAGCCCTTGAGGACCAG
CGTAGATAAGCCCGTAGCAAAAAAACCAGGGCGAAAAGTTCTTCCTGATACATTCAGCTGACTGGCTG
ACCACGCAGCCCTCTCCACGAAGTTGCTAAGCTGGACGTGGTGAAGCTGCTGTACAACGAACAGTTCCG
CTGTGCAGGGCCTTTTGAGATACCATACATACGCGCGGTTTGGCATTGAAATCCAGGTTCCAGATAAATCC
CACCCCTTTTCAGCAAGGAGGACTCATTTGCGCCATGGTTCGGGGGATCAGAGTTACGGAAGCATCGCG
AGTCTCACAGTTTATCCCATGGTCTTCTGAACTGCAATATTAATAACGTGGTTCGAATTAAGGTTCCCT
TTATATATACACGGGGCGCATACCACTTAAGGACCCACAGTACCCCGTCTGGGAGCTGACAATACGGGT
GTGGTCCGAGCTGAATATAGGCACAGGAACGAGCGCCTATACATCACTCAATGTGCTGGCTCGATTACC
GACCTGGAGCTTACGGTCTTACTCCTCTGAGTACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102182 representing NP_740550
 Red=Cloning sites Green=Tags

MDIEEEQMIQSVDRRTAVTGASYFTSVDQSSVHTAEVGS HQVEPLRTSVDKPGSKKTQGEKFFLIHSADWL
 TTHALFHEVAKLDVVKLLYNEQFAVQGLLRHYTYARFGIEIQVQINPTPFQGG LICAMVPGDQSYGSIA
 SLTVYPHGLLN CNINNVVRIKVPFIYTRGAYHFKDPQYPVWELTIRVWSELNIGTGTSAYTSLNVLARFT
 DLELHGLTPLSTQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001489

ORF Size: 669 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_001489.1](#), [NP_740550](#)
RefSeq ORF: 669 bp
MW: 25.0 kDa