

Product datasheet for **VC102090**

VP2 (NC_015150) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_015150) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102090 represents NCBI reference of YP_004243703 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGGCGTCTTGACCATCTGCTCGACATCTTCGAACTGGCAGAGCAACTCAGCCTGTCTACGGGT
TCACCGTAGACGCAATCTGAGCGGAGAAGCCATTGCAGCGGCCACTACTGAGGCAGCCTGGCTCATCGA
GATCGAGGCTGTAGATGTGGCCGGTGGGGCTCTCGAAGCATTGACCCTTACAGGACTCAGCGCAGAG
GAGTTCCTCACTGCTGTCGCCCTCCCCACAGCCCTGAATAATGCTATCGGGATAGGGATCTCTTTCAGA
CTGTACAGGCGCCAGCGCAGTGGTGGCCGCTGGGGTCACGACATTCGGGTATTCAAAGAGGTGCCCT
GGTGAGCATGGCGCTGACGCCCTGGTTCACAGGTAGACTACTTGTTCACAGGACTGTCCTCTTCTCC
TACTATCTGAACGCTGCCCTGGACTGGGTGAATCACTGTTCCATGCCGTCGGTAGGAAAATTTGGCGGA
ACATCATGAGACAGGCCACCCAGCAGATTGGGTATACATCCAGAGCTCTGGCAGTACGCGGAACCAACGA
GTTTCAGCATATGCTGGCACAGATTGCTGAAAACGCACGATGGGCTCTACTAATGGCCCAATCCACATT
TACTCCAGCGTCGAAGAATATTATAGGGGTTGCCAGTGTTAATCTATACAGTTGAGGCAGCAATACA
GGTCTCGCGGCGAGCTGCCTCTACCAGGGAGCAGTTTGAGTACCAGGAGCAAGTGGGCTGAGACGGGA
GATCGGGCGCAGGAACCTAGATCAGGCCACTATGTCCAGCATTACGCTGCCCCAGGGGGGCGAACCA
AGAGTGAGCCAGGACTGGATGCTCCCACTGATCCTTGGCCTTACGGGGATATCACCCCAACATGGGAAA
AGGAACTCTCAAGCTTGAGAAGGAAGTACGGACCACCTAAGAAGAAAGCTCGGGTGAGAAGTATGTC
CTGTA AAAAAGATTTGTCTAACACACGCAGTCGCTCTCAGACACCATGTGAGAGCGGGGAGGTCTCTCA
AGGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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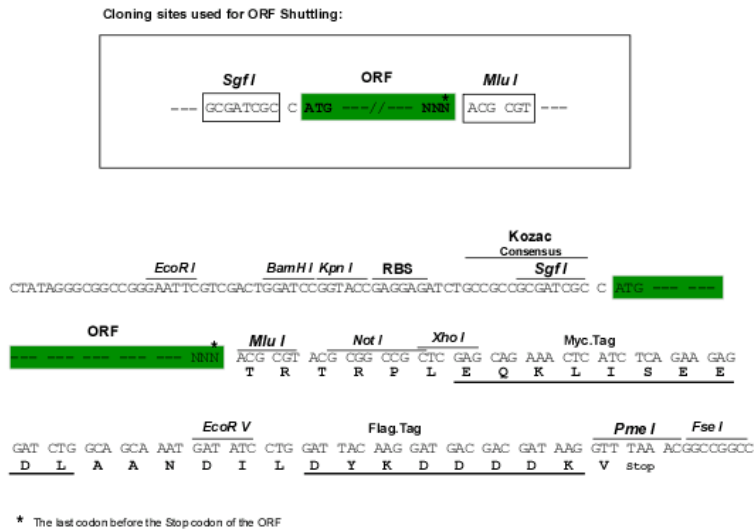
Protein Sequence: >VC102090 representing YP_004243703
Red=Cloning sites Green=Tags

MGGVLTILLDIFELAEQLSLSTGFTVDAILSGEIAAATTEAAWLEIEAVDVAGLGALEALTLTGLSAE
 EFSLLSALPTALNNAIGIGIFFQTVTGTGASAVVAAGVTTFGYSKEVPLVSMALTPWFPQVDYLPGLSSFS
 YYLNAALDWGESLFHAVGREIWRNIMRQATQQIGYTSRALAVRGTFNEFQHMLAQIAENARWALTNGP
 IHIYSSVEEYYRGLPSVNPILRQQYRSRGELPPTREQFEYQEQVRLRREIGGSEPRSGHYVQHYA
 APGGANQRVSDQWMLPLILGLYGDITPTWEKELSKLEKEEYGP P K K A R V R S M S C K K N L S N T R S R S Q T P C Q R R G R S S
 R S

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_015150

ORF Size: 1056 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_015150.1, YP_004243703](#)

RefSeq ORF: 1056 bp

Locus ID: 10352036

MW: 38.9 kDa