

Product datasheet for **VC100232**

pVI (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pVI (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	pVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100232 represents NCBI reference of AP_000120 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGACATCAATTTCTCATCCCTGGCCCTCGGCATGGCACCAGACCCTACATGGGGACTTGGAAACG
AAATCGGCACGTCTCAGCTGAACGGCGGGGCCTCAATTGGAAGTCCATCTGGTCCGGCCTTAAGAATTT
TGTTCAACAATAAGACTTACGGCACGAAAGCCTGGAAGTACAGACAGGCAGATGTTGAGAGATAAA
TTGAAGGATCAGAATTTCCAACAAAAGTTGTTGATGGCCTGGCAAGCGGGATAAACGGGTGGTGGACA
TTGCGAATCAGGCGGTCCAGAAGAAAATTGCTAACAGGCTGGAACCGAGGCCAGACGAAGTGATGGTAGA
AGAGAAACTGCCCCCTGGAAACCGTACCCGGATCAGTCCCCACAAAGGAGAGAAAGCGCCCAAGGCCT
GATGCCGAAGAGACCCTGGTAACCCACACCACCGAACCCCATCTACGAGGAAGCTATAAAGCAAGGCG
CGGCTCTGAGTCCAACCACATACCCATGACCAAGCCCATCTCCCTATGGCCACCAGGGTGTACGGCAA
GAATGAGAACGTCCCTATGACATTGGAGTTGCCCCACTCCCTGAGCCCACCATCGCCGATCCGGTTGGT
AGTGTGCCTGTGGCTAGTGTGCCGTGCGGAGTACAGTGAGCAGGCCAGCCGTTAGACCTGTCGCGGTGG
CAAGCCTGAGAAATCCCGATCATAACTGGCAATCTACGCTGAACAGCATTGTCGGTGGGTGTGAA
GAGCCTGAAGCGGCGGCTGTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100232 representing AP_000120
 Red=Cloning sites Green=Tags

MEDINFSSLAPRHGTRPYMGTWNEIGTSQLNGGAFNWNISIWSGLKNFGSTIKTYGTKAWNSQTGQMLRDK
 LKDQNFQQKVVVDGLASGINGVVDIANQAVQKKIANRLEPRPDEVMVEEKLPPLPTVPGSVPTKGEKRPRP
 DAEETLVTHHTTEPPSYEEAIKQGAALSPPTYPMTKPILPMATRVYGNENVPMTLELPLPEPTIADPVG
 SVPVASVPVASTVSRPAVRPVAVASLRNPRSSNWQSTLNSIVGLGVKSLKRRRCY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000005

ORF Size: 795 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: AC_000005.1, AP_000120
RefSeq ORF: 795 bp
MW: 28.9 kDa