

Product datasheet for **VC100043**

pVI (AC_000007) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pVI (AC_000007) 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 VC100043 represents NCBI reference of AP_000174 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGACATAAATTCGCCAGCCTTGCCCTCGGCACGGATCACGGCCTTTCATGGGAAATTGGCAGG
ACATTGGAAGTAGTAACATGAGTGGCGGCGGTTCTCATGGGGTAGCCTTTGGTCCGGCATCAAGAATTT
CGGCTCTACCATCAAAAATATGGCTCCAAGGCATGGAACAGTTCCACAGGGCAGATGCTGCGAGATAAA
CTCAAAGAACAAAATTTCCAGCAGAAGGTGGTAGATGGCCTGGCCTCAGGGATTTCTGGAGTGGTTGACC
TCGCTAATCAGGCGTGCAGAATAAGATTAACAGCAAACCTGGACCCTCGACCACCAAGTTGAGGAACCACC
CCCTGCTGTGAAACGGTGAGCCCCGAGGGACGGGGGAGAAGCGGCCCCGGCCCGATCGCGAGGAAACG
CTGGTCACCCAAATTGACGAGCCCCCTTATGAGGAGGCTCTGAAGCAGGGTCTCCCCACCACACGCC
CTATAGCCCCTATGGCAACGGGGGTGTTGGGCCAGCACCCCCGTACGCTGGATCTGCCGCCACCCGC
CGACACCCAGCAGAAGCCCGTGTGCCAGGCCCTTCTGCTGTAGTTGTTACCAGACCTTCACGCGGTCA
CTGCGGAGGGCCGTCGGACCCAGATCAATGCGGCCAGTTGCATCCGGGAACGGCAGAGCACCCCTCA
ACAGCATAGTGGCCTCGGAGTGCAGTCACTGAAACGCCGGCGTCTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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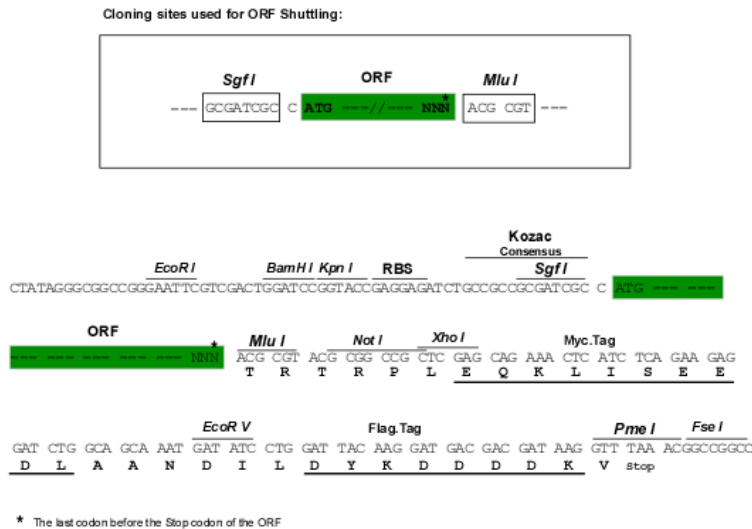
Protein Sequence: >VC100043 representing AP_000174
 Red=Cloning sites Green=Tags

MEDINFASLAPRHGSRPFMGNWQDIGTSNMSSGGAFSWGSLWSGIKNFGSTIKNYGSKAWNSSTGQMLRDK
 LKEQNFQQKVVVDGLASGISGVVDLANQAVQNKINSKLDRPPVEEPPPAVETVSPEGRGEKRPRPDREET
 LVTQIDEPPSYEEALKQGLPTTRPIAPMATGVLGQHTPVTLDLPPPADTQQKPVLPGPSAVVVTRPSRAS
 LRRASGPRSMRPVASGNWQSTLNSIVGLGVQSLKRRRCF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000007

ORF Size: 750 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_000007.1, AP_000174
RefSeq ORF: 750 bp
UniProt ID: P03254
MW: 27.0 kDa