

Product datasheet for **VC100230**

V (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	V (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	V Protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100230 represents NCBI reference of AP_000118 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAAAAGGAAGTTCAAGGAAGAGCTCCTGCAGGCACTGGCCCCAGAAATTTATGGCCCGTCCGACA
ATCTGACAAAAAGAGACATTAAGCATGTGAAAAAGAGAGAGAAGAAAGAAGAAGTAGCTGCCGCCAG
CGCCGATGGGGTGAATTTGTAAGATCTTTGCCCCCGACGCAGGGTGCAGTGGAAAGGGAGGCAGGTC
AAGAGAATACTGAGGCCGGGCACTACTGTCGTTTTTCAGTCCAGGTGAGAGAACGATCATGGCCCCTTGA
AGAGAGAGTACGATGAAGTCTACGCAGACGATGATATTCTGGAACAGGCAGCTCAGCAGACCGGCGAATT
CGCATACGGGAAGAAGGGCCGCTACGGGGACAAGATAGCAATTCCTGATGAAGGAATCCGACCCCG
AGTCTGAAGGCCGTTACTCTCCAGCAGGTGCTCCCGTGTGGACCTAGCGAAGAGAAGCGAGGAATCA
AACGAGAAGCGATGGACGAGCTGCAGCCAACGATGCAGCTGATGGTTCCTAAGCGACAGAACTCGAGGA
TGTAAGTACTGAGCACATGAAGGTGGATCCTCCGTGCAGCCCGATGTGAAGGTGCGGCCATAAAAAAGGTA
GCTCCTGGGCTCGGCGTCCAGACCGTGGATATCCAGATCCCGTCCAACGGCACTGGGAGAGACCATGG
AAATACAGACATCCCAATCAAACGACAGTGAATGCGTCAGTGCAGACAGATCCATGGTATCCTCCGGT
GCTCAGCACGAAGAAGAAGAGGCATTATAGGCAGACATCCTCTGCTCCAGATTATGTGCTCCATCCC
AGTATCGTCCCTACTCCTGGGTACAGAGGCACCACTTTCCAACGGCGCGCTACGGCCCCATCTCGGCGGA
GGGGTCCATCAAGGAGAAGAAGGAGAAGGAAGGCGACCCTTGCTCCTGCCCGCTGCGACGGGTGGTCCA
GCGCGGGAGGACACTCATCTGCCTAGTGTGCGGTATCACCATCTATCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100230 representing AP_000118
 Red=Cloning sites Green=Tags

MTKRKFKEELLQALAPEIYGPSDNLTKRDIKHVKKREKKEEEVAAASADGVEFVRSFAPRRRVQWKGRQV
 KRILRPGTTVVVSPGERTIMRPLKREYDEVYADDILEQAAQQTGEFAYGKKGRYGDKIAIPLDEGNPTP
 SLKAVTLQQVLPVLPSEEEKRGIKREAMDELQPTMQLMVPKRQKLEDVLEHMKVDPVQPDVKVRPIKKV
 APGLGVQTVDIQIPVQTALGETMEIQTSPIKTTVNASVQTDWPWYPPVLSTKKKRHYRQTSLLLPDYVLHP
 SIVPTPGYRGTTFQRRATAPSRRRGSPRRRRRRKATLAPAAVRRVVQGRRTLILPSVRYHPSIL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: AC_000005

ORF Size: 1032 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_000118
RefSeq ORF: 1032 bp
MW: 39.1 kDa