

Product datasheet for **VC102401**

NC_003494 Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NC_003494 Virus Tagged ORF Clone
Tag:	Myc-DDK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102401 represents NCBI reference of NP_612333 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGTGTCAGCCAAACAACAGACTGCTTTGTGCCACATGCAAGGGTATCATGCGCGGACCTGTGC
AAGCTGCCTGCGGGCATAGATTTTGTGAAGGATGTCTCACTGAGAGCGTGTGTCGGCACTGTTTGTGTAC
TACCGCGCCCGTCTTCAGGGATAATGCTGTTGCTCACGAGCTGGTTGCCGAGTGGTGGATGTGTGGTG
TGTCATGGGTTGGAACAGTGGCCGAATACAGGGAGGGCCACGTCATGGAGCACGAGGGAATGCAGCCCT
GCCCTTTGCAGTCTTGGGATGCAATACGGATGACTGCGATGATACCGTTGAGGACCACAGGAGCTGCT
GGTGAAGTGTGAAACGAGCAACTGACAGGATTAAGGCCCTCGAAGCTAGCGTGAACAACCTGAATATG
GAGCGCCAGGCCATAGCTGCCAGGTTTGTCTATCTGGAGATGGCAACTAAAACGGTACTCTTGTCTGGC
TGGTGGCCGTGAGCTCCGACTGTCCGTTGCCGATGGTCCCTCAGCCCCGTCTTCTATACACACCGGAATGG
CTACGCTATGTGTGTGAGAATGTACCAAAGGGCGACGGGAGCGGGACTGGAACACACGTTAGCATGTAT
TTCAATGTAACAAGGGACCAGCGGATGATACCCTGGAGTGGCCTTTCTCAAACACGTTACCGTGTCTC
TGGTGGGACAGGAGCCCGGAGTGCCCGACATCGTGCACAGCTTCCGGTCCAACCTTTGATTCTGCATCTTT
CAAGAAACCCGTTGGCGCAAATATCCGATTGGCTGGCCAACCTTCTGCCACTCACCTGTGTTCCCATG
TATACTAAGAATGGCCAACCTGTGCATTAAGGTCCATGTGTGTGATTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102401 representing NP_612333
 Red=Cloning sites Green=Tags

MELCQPNNRLLCATCKGIMRGPVQAACGHRFCEGCLTESVCRHCLCTTAPVFRDनावहलवाववrcv
 CPWVGTVAEYREGHVMEHEGMQPCPFVAVLGCNTDDCDDTVEDHQELLVKCLKRATDRIKALEASVNNLNM
 ERQAIARFAHLEMATQNGTLVWLVAVSSDCPLPMVLSPVFYTHRNGYAMCVRMPYKGDGSGTGTHVSMY
 FNVLKGPADDTLEWPFKSHVTVSLVGVQEPVVDIVHSFRSNFDSASFKKPVGANIPIGWPTFCPLTCVPM
 YTKNGQLCIKVHVCDL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3793_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 888 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NC_003494.1](#), [NP_612333](#)

RefSeq ORF: 888 bp

Locus ID: 935406

MW: 32.5 kDa