

## Product datasheet for **VC102048**

### M (NC\_003461) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	M (NC_003461) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	M Protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102048 represents NCBI reference of NP_604439 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAGACTTATAGGTTCCCCCGCTTTTCCCATGAGGAGAACGGTACGGTCGAGCCTCTGCCACTCA  
AGACCGGCCCCGATAAGAAGGCGATTCTCATATTAGGATTGTTAAAGTAGGTGACCCACCAAACACCG  
TGTCCGGTATCTTGATGTGCTGCTTCTCGGCTTCTCGAAACGCCAAGCAGGGTCCACTCTCTGGTAGC  
ATCTCAGACCTCACCGAGTCCACCAGTACTCTATTTGCGGGTCAGGGTCATTGCCTATAGGGATTGCAA  
AAATACTATGGCACCGACCAGGAATTGCTTAAAGCTTGTATCGATCTCAAATACTGTTCCGCGCACAGT  
GAGATCCGGCGAGATGATTGTCTATATGGTGGATTCAATACACGCGCCATTGCTGCCCTGGAGCTCCCGG  
CTCCGACAGGGCATGATCTACAATGCCAATAAAGTTGCTCTGGCACCCAGTGTCTGCCTGTCGATAAGG  
ACATCCGCTTTCGGGTCGTGTTTGTAAACGGGACTTCTCTGGCACCCATAACCATTGCGAAGGTCCTTAA  
GACGCTTGCCGATCTCGCCCTCCCAAACAGCATTAGTGTTAATCTGCTCGTTACCTTGAGAGCCGGCGTA  
TCCACTGAACAGAAGGGCATCTGCCTGTGCTGGACGATGACGGGAGAAGAACTTAATTTTCATGGTCC  
ACCTTGGCATTATAAGGAGAAAAGTCGAAAGATTTACTCTGTGGAATACTGTAAAAACAAGATCGAAAA  
AATGAAGCTGATCTTCAGTCTGGGCTGGTAGGCGGTATTTTCATCCACGTCCACGCTACCGGGACTCT  
TCCAAGACGCTGATGAGCCAACCTGGCTTGAAGAAAGCCGTGTGTACCTCTCATGGACGTAAACCCAC  
ATATGAATCTCGTGATTTGGGCAGCCTCCGTTGAAATCACTTCAGTCGACGCCGTGTTCCAGCCTGCCAT  
CCCTAAAGAGTTTCGATATTACCCCAACGTCGTTGCCAAATCCATCGGAAGATTAGGCGCATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102048 representing NP\_604439  
 Red=Cloning sites Green=Tags

MAETYRFRFSHEENGTVEPLPKTGPDKKAIPHIRIVKVGDPKKGVRVLDVLLGGFFETPKQGPLSGS  
 ISDLTESTSYSICGSGSLPIGIKYYGTDQELLKACIDLKIVRRTRVRSRGMIVYVMSIHAPLLPWSSR  
 LRQGMIIYANKVALAPQCLPVDKDIRFRVVFVNGTSLGTITIAKVPKTLADLALPNSISVNLVTLRAGV  
 STEQKGLPVLDDDGEKLNFMVHLGIIRRKVGKIYSVEYCKNKIEKMKLIFSLGLVGGISFHVHATGTL  
 SKTLMSQLAWKKAVCYPLMDVNPMMNLVIWAASVEITSVDAVFPQPAIPKEFRYYPNVVAKSIGKIRRI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_003461

**ORF Size:** 1044 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\_003461.1, NP\_604439  
RefSeq ORF: 1044 bp  
Locus ID: 935264  
MW: 38.5 kDa