

Product datasheet for **VC102054**

M (NC_003443) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	M (NC_003443) 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 VC102054 represents NCBI reference of NP_598403 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAATAATAAGTCTGCCTGCGGATCCAACCAGTCCATCACAAAGCTTGACTCCATTCCTATCCAAC
TGGACACCAAAGACGGCAAAGCAGGCAAGCTCCTAAGCAGATCCGGATCCGCTACCTCAATGAGCCTAA
CTCCAGGCACACCCCATACCTTCATCAATACCTACGGGTTCTGCTATGCCCGGACACCTCCGGTGA
ATCCACTCTGAAATATCATCTGATCTGGCTGCTGGCTCTATAACAGCTTGATGATGAAATTGGGACCAG
GCCCTAATATTCAGAACGCAAACCTGGTCTCCGGTCTTGAATGAGTTCTATGTTAAGGTTAAGAAAAC
ATCCAGCCAGCGAGAGGAAGCCGTTTTTGAAGTAAACATTCTACGCTGCTGAGAGAACACGCTCTG
TGCAAACGGAAAATGCTCGTGTGCAGCGCAGAAAAGTTTCTGAAGAACCCAAGTAAGCTCCAGGCAGTT
TTGAGTACGTGTATATCCAACATTCGTCAGCATCACATACTCTCCAGGAATCTCAATTACCAGGTAGC
ACGACCCATTCTGAAGTTCAGGTCCCGGTTCTGCTACAGTATTCATCTGGAGCTGATTCTGCGGCTGCTG
TGTAATCCGATTCACCTCTCATGAAGAGCTACAACGCAGACAGGACTGGAAGAGGGTGTTTGGCCTCAG
TATGGATACACGTGTGTAATATTCTGAAGAACAAGTCTATCAAACAGCAGGGGCGGGAGTCTACTTCAT
CGCAAAGTGCATGTCTATGCAACTGCAGGTCTCCATAGCTGACCTGTGGGACCAACGATCATCATCAAG
TCTCTGGGTACATCCCAAAGACCGCACTGCCATTCTTACGAAGGATGGAATCGCTGTATCCTCTGC
AGGACGTCTCCCAAAGTCTCTTTGGTCCGTGGGATGCGAAATTGAAAGTGCAGAAATTGAT
CCTCCAGGAAAGTGAATGAGCTCATGGACACCAAGATCTGATTACCGACAAGATTGCCATTAGG
TCAGGGCAAAGAAGTTCGAGAGATCTAAGTTCAGTCCCTTTAAGAAGTATGCCTCAATTCCAAATTTGG
AGGCCATAAAC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



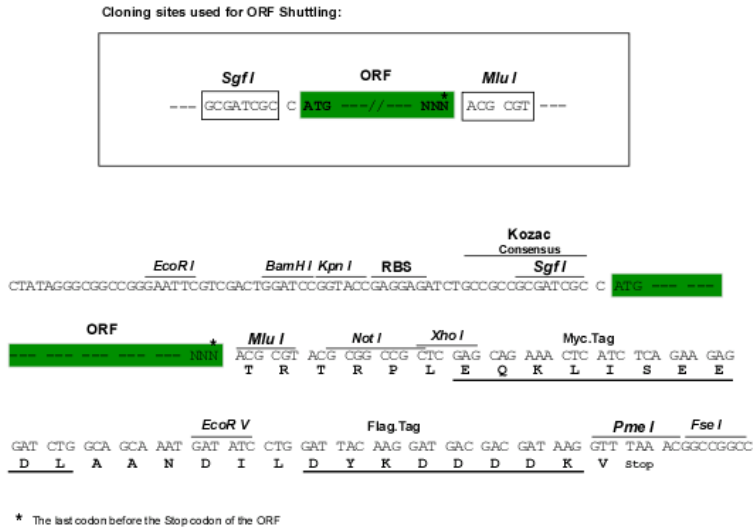
Protein Sequence: >VC102054 representing NP_598403
 Red=Cloning sites Green=Tags

MPIISLPADPTSPSQSLTPFPFIQLDTKDGKAGKLLKQIRIRYLNPNRSRHTPITFINTYGFVYARDTSGG
 IHSEISSDLAAGSITACMMKLGPGPNIQANLVLRLNEFYVKVKTSSQREEAVFELVNIPTLLREHAL
 CKRKMLVCSAEKFLKNPSKLQAGFEYVYIPTFVVSITYSPRNLNYQVARPILKFRSRFVYSIHLELILRLL
 CKSDSPLMKSYNADRTGRGCLASVWIHVCNLIKNSIKQQGRESYFIAKCMSMQLQVSIADLWGPTIIIK
 SLGHIPKTPFFSKDGIACHPLQDVSPNLAKSLWSVGCEIESAKLILQESDLNELMGHQDLITDKIAIR
 SGQRTFERSKFSPFKKYASIPNLEAIN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003443

ORF Size: 1131 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_003443.1](#), [NP_598403](#)

RefSeq ORF: 1131 bp

Locus ID: 935187

MW: 42.3 kDa