

## Product datasheet for **VC102270**

### **P(M1) (NC\_001652) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P(M1) (NC_001652) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P(M1)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102270 represents NCBI reference of NP_042677 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCCGATGGAGAGGGTGAGCAGTTTTTCAATCTCGAAGGCGAGGACATTTTGCCTGGAGAGCCGGT  
TGAAAACCCCGAAATGACGGTCAGATTGGCAAGAACCCCGGAGACGCAAGGAGGATCAGGCACCTCA  
GGAGAACCTAAGAAAACCACTCGAAGACCCGACAAGAATAAAGGCCTTTCTCAACTGGAACAGTTGATC  
CTGAAGTACGTAGAGGAGGAGAGCTGCCAAGATGCCCTGAAGGATTTTCGGAGGACTGATTGCGAATATAC  
GACAAGCTCATCAGGCAGAGATGACCAAGTCTCGAGAAGGTGGCCACAGAGCATCGGGCTAACCTCCA  
GGCCCTCACTAAAAGCCAGCAAGAACACGAGAAGGTGAGCAAGGAGATCCTGTCCGCTGTGATTGCCATT  
AGATCCAACCTGAATGAGAATCACTCTCCTCTGCCTAAGCCCTGGATCCAGACCAGGTGAAAGCCGCTC  
GAGCCTTGGGCTTTGGGATTGGATACCGGACAGCTCTTAATGTGTTTGACCGAATCAAGGGGTGACACC  
AGATAACGCTGGAAGCCAGGAAGTGAAAAATCTCGCCATTAGAGCTGCAGAGGAAGACGAATACGAGGGC  
TCACCACTTTTTTCGAAAGGTGATTGATGCCGTCAAGAAGCGAATGAAGCAGGGCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102270 representing NP\_042677  
 Red=Cloning sites Green=Tags

MSDGEQEQQFFNLEGEDILRLESRLKTPRNDGQIGKNPRRRKEDQAPQEPPKTTTRRPDKNKGLSQLEQLI  
 LKYVEEESCQDALKDFGGLIANIRQAHAEMTSHLEKVA TEHRANLQALTKSQEHEKVSKEILSAVIAI  
 RSNLNENHSPLPKPLDPDQVKAARALFGIGYRTALNVFDRIKGVTPDNAGSQEVKNLAIRAAEEDYEY  
 SPTFFRKVIDAVKKRMKQGO

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001652

**ORF Size:** 690 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\_001652.1, NP\_042677  
RefSeq ORF: 690 bp  
Locus ID: 1489846  
MW: 25.9 kDa