

## Product datasheet for **VC101008**

### ORF67 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF67 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101008 represents NCBI reference of NP_040189 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTTCTGATTCAATGTCTGATCTCTGCCGTCATATTCTATATCCAAGTGACAAATGCACTGATTTTCA  
AAGCGGATCACGTTAGTCTGCAGGTGAAGTCTAGCTTGACCAGCATTCTGATCCCCATGCAGAACGACAA  
TTACACAGAGATCAAGGGTCAGTTGGTATTTATCGGTGAGCAGCTCCCTACTGGCACAATTTATTTGGG  
ACCCTCGAGCTTCTGTACGCTGACACCGTGGCCTTCTGCTTTAGATCTGTGCAAGTGATTGATGATGATG  
GGTGTCCACGCATACGGACATCTGCGTTTCTTTCTGTCGCTATAAGCACTCATGGCACTACGGGAATAG  
CACAGACCGGATCAGTACGGAACAGATGCAGGGGTGATGCTTAAAATTACAAAACAGGCATTAATGAC  
GCTGGCGTGATGTGCTGCTGGTGGAGACTTGACCACAGCCGCTCAACCGACGGCTTTATACTCGGCGTGA  
ATGTGTATACAGCCGGTAGCCATCACAACATCCACGGAGTCATTTACACATCTCCTAGCCTTCAAAATGG  
TTACTCTACGAGAGCCCTGTTTCAACAGGCACGCCTCTGTGACCTGCCCGCCACGCCAAGGGCTCAGGG  
ACATCACTCTCCAGCACATGCTGGACCTGAGGGCGGAAAGAGTCTGGAAGACAATCCCTGGCTGCACG  
AAGATGTAGTGACTACTGAGACGAAATCCGTGGTAAAGGAGGGGATTGAGAATCACGTGTACCCAACCGA  
TATGTCCACCCTTCCAGAGAAGAGTCTCAACGACCCACCCGAAAATTTGCTTATCATCATTCCAATCGTG  
GCATCTGTGATGATTCTGACTGCCATGGTATAGTGATGTCATTTTCAGTTAAACGAGAAGAATAAAAA  
AGCACCAATTTACCGGCCAACACTAAGACTAGACGGGGCATTGAGAATGCAACCCCGAGAGCGACGT  
AATGTTGGAAGCCGCATCGCGCAGCTGGCTACAATTCGCGAGGAATCTCCACCCATTGATCGTCAAC  
CCATTCGTGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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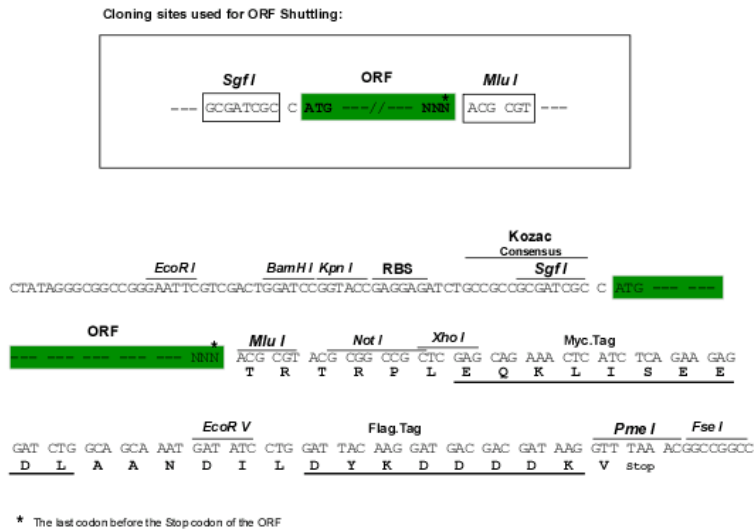
**Protein Sequence:** >VC101008 representing NP\_040189  
Red=Cloning sites Green=Tags

MFLIQCLISAVIFYIQVTNALIFKGDHVS LQVNSSLT SILIPMQNDNYTEIKGQLVFIGEQ LPTGTNYSG  
 TLELLYADTVAF CFRSVQVIRYDGCPRIRTSAF I SCRYKHSWHYGNSTDRISTEPDAGV MLKITKPGIND  
 AGVYVLLVRLDHSRST DGFILGVNYYTAGSHHNIHGVIY TSPSLQNGYSTRALFQQARLCDLPATPKGSG  
 TSLFQHMLDLRAGKSLEDNPWLHEDVVT TETKSVVKEGIENHVYPTDMSTLPEKSLNDPPENLLIIPIV  
 ASVMILTAMVIVIVISVKRRRIKHP IYRPNTKTRRGIQ NATPESDVMLEAAIAQLATIREESP HSVVN  
 PFVK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001348

**ORF Size:** 1062 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\\_001348.1](#), [NP\\_040189](#)

**RefSeq ORF:** 1062 bp

**Locus ID:** 1487689

**UniProt ID:** [P09310](#)

**MW:** 39.4 kDa