

## Product datasheet for **VC100974**

### ORF33 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF33 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100974 represents NCBI reference of NP\_040156 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGCCGCCGAGGCCACGAGGAGAATTGCGAGGCTCTGTATGTGGCTGGATATCTCGACTGTATTCCA  
 AGGATGAGGGAGAGCTGAATATTACCCCTGAGATTGTAAGGTCAGCCCTGCCTCCACAAGTAAAATTCC  
 CATAAATATAGATCATAGGAAGGACTGCGTAGTGGGAGAGGTAATCGCAATTATCGAGGACATACGCGGC  
 CCCTTCTCTGGGTATCGTGGCATGTCCACAGCTTCATGCTGTTCTTTTGGAGCAGCCATAGCAACT  
 TCTTCGAAACAGGGATAGTGTGCTGAGTCCCCTCGAGAGAGCTCTATCTCGTTACCAACTATCTGCC  
 TTCGTGAGTCTGAGCAGTAAACGGCTGAGTCTAATGAAATCCGGACGGGAACCTCTTACGCATGTG  
 GCTTTGTGCGTGGTTGGCCGGCAGTCGGGACAGTTGTTAATTATGACTGCACCCAGAATCCAGCATCG  
 AACCTTTCGCGTCTGTCAATGGAAGTAAGGCCAGGCTGCTCTACTGGTGAAGACTACGCCGGACT  
 TAATAAAGTTTGAAGGTTAGCGAAGATAAGCTCGAAAGGTAAGTGTGCCACTGCTGTAATAACATG  
 TTGCTGCGCGACAGATGGGACGTCGTTGCCAAAAGGCGCAGGGAGGCTGGGATCATGGGCCACGTTTACC  
 TGCAGGCCAGTACTGGGTATGGTTTGGCTCGCATCACAACGTC AACGGCTGGAGAGTAAGCTTCCAAA  
 CGCCGGTGAATTAATGCCACCTTCCATCTGGAGGCCGATATGATTTGGCTCTGGCGTGGGGAG  
 AGCAACGAGGACTGCGAAAAGACTGTACCACACCTGAAGTTACACAATTGTGCAGAAATGACTCCGACA  
 TGGCCTCAGTCGCCGAAACGCCAGCAACATAAGTCCCGACCCAGTGGCGTCCCGCGGGCGGGGA  
 GTTTGTCTTGATCCCACTGCTTACTACTCACAAGTCTACCCGACAGACTAAAAATCCGAGGTCAGC  
 ATTGGCGCCCCAAACAATGGGCGATATAGTCGGCCCATATGGCTCACCTCATCCACCGCCTTCCCC  
 CTAACACTGGCGGATACGGTTGCCCGCCCGGCACTTCGGAGGCCCTATGGGTTTCCAGGATACCCCG  
 GCCAATCGCCTTGAGATGCAAATGTCTGCTTTCATGAACGCGCTCGCAGCGGAGAGAGGCAATTGACCTC  
 CAGACCCCATGCGTCAATTTCCCGACAAGACCGATGTCAGGAGGCCAGGCAAGAGGGACTTCAAATCTA  
 TGGACCAGCGGAACTGGACTCCTTCTATAGCGGAGAGTCTCAAATGGACGGCGAATTCCTCTAATAT  
 CTACTTCCCGGGAGAGCCTACATATACACGCACCGACGGCGGAGGGTGTCTCCAAGTACTGGCAAAGG  
 AGGCACAGAGTCTTAAACGGACAGCAGGAACTGGCCGGGTCTGGCCAACTCCAACAAGAGGTGA  
 CCGAATGAAGAGCCAGAACGCCACCCAGATGCCCTGTCCACCACCAATATCCAGAGGGCACAAG  
 GGACCCAGAATCTCTATACTCCTGAAGCAGTGCAGTCCGTGAGCGGCTTGTGTTCTTCTCAGAACACA  
 ACATCCACCCACACACCGACACAGTTGGGAGGACGTC AATGCCGTGGAAGCTAGCTCAAAGCTCCAC  
 TCATCCAGGGCAGCACCGCTGATGACGCTGACATGTTTCGCGAACCAGATGATGGTCGGGCGGTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100974 representing NP\_040156  
 Red=Cloning sites Green=Tags

MAEADEENCEALYVAGYLALYSKDEGELNITPEIVRSALPPTSKIPINIDHRKDCVVGEVIAIIEDIRG  
 PFFLGIIVRCPQLHAVLFEAAHSNFFGNRDSVLSPLERALYLVTNYLPSVLS SSKRLSPNEIPDGNFFTHV  
 ALCVVGRRVGTVVNYDCTPESSIEPFRVLSMESKARLLSLVKDYAGLNKVKVSEDKLAKVLLSTAVNNM  
 LLRDRWDVVAKRREAGIMGHVYLQASTGYGLARITNVNGVESKLPNAGVINATFHPGGPIYDLALGVGE  
 SNEDCEKTVPHLKVTQLCRNDSMASVAGNASNISPQPPSGVPTGGFVLIPTAYYSQLLTGQTKNPQVS  
 IGAPNNGQYIVGYPGSPHPPAFPNTGGYGCPPGHFGGYPGYPGYPNRLQMMSAFMNALAAERGLDL  
 QTPCVNFPDKTDVRRPGKRDFKSMQRELD SFYSGESQMDGEFSPNIYFPGEPTYITHRRRRVSPSYWQR  
 RHRVSNQHEELAGVVAKLQAEVTE LKSQNGTQMPLSHHTNIPEGTRDPRISILLKQLQSVSGLCSSQNT  
 TSTPHTDVTGQDVNAVEASSKAPLIQGSTADDADM FANQMMVGR

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001348

**ORF Size:** 1815 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\\_040156](#)

**RefSeq ORF:** 1815 bp

**Locus ID:** 1487717

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

**MW:** 66.0 kDa