

Product datasheet for **VC101667**

ORF34 (NC_009333) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ORF34 (NC_009333) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ORF34 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC101667 represents NCBI reference of YP_001129387 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGCCTTTCTTTGGTCAGCGAGGGCGATCCTGAGGTGACTTCCCGGTATGTCAAGGGCGTTC
AGCTCGCTTTGGACCTGAGCGAAAACACTCCAGGTCAGTTCAAGCTGATTGAAACCCCTTTGAACTCATT
TCTGCTGGTCTCTAATGTGATGCCGAAGTGCAGCCGATTTGTAGCGGCCTTCTGCTCTTAGGCCCGAT
TTTTCCAACCTCCATTTGCCACGGCTGGAGAACTGCAGCGAGTGTCTGGACAGGGCTTTGGGGCAGCAG
GTGAGGAAATCGCCCTCGATCCATCCCACGTCGAAACCCACGAGAAAGGCCAGGTGTTCTATAACCACTA
TGCTACAGAAGAGTGGACTTGGGCTCTGACTCTCAACAAGGATGCCCTGTTGCGCGAGGCCGTAGATGGC
CTCTGCGACCCCGGTACCTGGAAGGGCTTGTGCTGATGATCCTTTGCCGCTGCTGTGGCTGCTTTTCA
ATGGCCCAGTTCATTTGTAGGGCAGACTGTTGCCTGTATAAACAGCATTGTGGCTACCCGGTCCGGT
CCTGCTTCCCGGTATATGTACGCTCCTAAACGAGATCTGCTCTCCTTCGTTAACACGCGCTCAAATAC
ACTAAATTCCTGTACGGGACTTCTCTGGAACATGGGCAGCCGCTTGCCGGCCCCCTTTCGCTACAAGCC
GCATTAGAGAGTGGTTTCTCAGATGAAGATTATAGACGCTTCCGATACTTACATTAGTCATACATGCCT
CCTTTGTCATATCTATCAGCAGAATTCTATCATCGCCGGTCAGGGAACATCATGTGGCGGAATCCTCCTG
CTCTCCGGCAAAGTACTCAGTATATTACTGGCAATGTTCAAACCCAGCGGTGCCCAACCCGGCGGATT
ACCTGATTATCCCATCCTATGACATTCCCGCAATTATAACCATGATCAAGGAAAACGGGCTTAACCAAGTT
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101667 representing YP_001129387
 Red=Cloning sites Green=Tags

MFALSSLVSEGDPEVTSRYVKGVLALDLSENTPGQFKLIETPLNSFLLVSNVMPEVQPICSGLPALRPD
 FSNLHLPRLEKLQRVLGQGFGAAGEEIALDP SHVETHEKGQVFYNHYATEEWTWALTLNKDALLREAVDG
 LCDPGTWKGLLPDDPLLLWLLFNGPASFCRADCLYKQHCGYGPVLLPGHMYAPKRDLLSFVNHALKY
 TKFLYGD FSGTWAAACRPPFATSRIQRVVSQMKIIDASDTYISHTCLLCHIYQQNSIIAGQGTHVGGILL
 LSGKGTQYITGNVQTQRCPTTGDYLIIPSYDIPAIITMIKENGLNQL

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_009333

ORF Size: 981 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_009333.1](#), [YP_001129387](#)
RefSeq ORF: 981 bp
Locus ID: 4961504
UniProt ID: [Q2HR82](#)
MW: 36.1 kDa