

## Product datasheet for **VC101649**

### ORF17 (NC\_009333) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF17 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF17
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 VC101649 represents NCBI reference of YP\_001129369 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGGCACAGGGACTGTACGTCCGAGGATTTCGTAGACGTGGTGTCTCGCCAAAACGGAACAAGAACTGT  
 ACCTGGACCCAGACCAGGTCACCGACTACCTCCCAGTGAACCCCTGCCTATTACTATCGAGCATCT  
 TCCCGAGACGGAGGTGGGGTGGACACTCGGCCCTTTTTCAGGTGTCCCATGGAATCTTCTGCACCGGGCA  
 ATTACCTCACCAGCATTCTGGAGCTGGCCAGCCGACTCGCTGATACTAGCCATGTGCCAGAGCTCCCG  
 TGAAAAACCTGCCTAAAGAGCCGCTCCTCGAGATCCTCCACACATGGCTGCCAGGGCTTAGTTTGAGCTC  
 TATCCATCCCAGAGAGTTGAGTCAGACACCTCCGGCCAGTGTTCAGCACGTGCACTCTGCGCCCTC  
 GGGAGACGCGAGGGAACCGTAGCAGTGTATGGCCACGATGCCGAGTGGGTGTGTCAAGATTGAGCAGTG  
 TGAGTAAATCTGAGAGAGCCCATATCCTCCAGCATGTCTCCTCATGCCGCTGGAGGATCTGCCACTCC  
 TAACCTCGTATACCAATTGGAAAACGCTTATGGCCAAAGCCATTGACGCTCCTTTATCCGAGATAGGCTC  
 GATCTGCTCAAGACAGACCGAGGCGTCGCGTCAATTCTCTCCCCAGCATACCTTAAAGCTTCACAGTTCC  
 CCGTTGGTATTAGGCTGTACACCACCGCGCCAGCGATGAATAGTAGCGGCCAGGAAGATATAATTAG  
 TATTCCTAAATCAGCGTTCCTCTCAATGCTGCAGTCAAGCATCGACGGAATGAAGACTACAGCCGAAAG  
 ATGAGTCACACCTCAGCGGACCCGACTGATGGGATGCGGTGGGAGATGTTTCCAACCGACCATCACC  
 TTCCCAGCTACGTGTCCAACCCAGCCCTCCTTACGGCTATGCCTATAAGAACCCTATGACCCATGGTA  
 TTACAGCCCCCAGCTCCAGGCTATCGAACTGGTAAGCGGAAGCGCGGCCGAGGATGACGAGGGACAC  
 CTTTTCCCTGGGAGGAGCCCGCTATCATAAAGACATTTTCCATGTCCAAAAACATCGCCGAGATCC  
 AGTCAGAGCTCAAAGAAAATGAAGTTGAATGGTTGGCACGCGGACCTCCGCCATCCTTAGCGCCGCTGC  
 AGCCGCGGTAGACCCACACTACCGCCCCACGCAACTCAGTGCCTCATGTCAGTTCCCAACCATGAAA  
 GAGCATGGCGGTACCTATGTGCATCCCCAATTTATGTCCAAGCCCCCATGGACAGTTCCAGCAGGCGG  
 CACCTATCTTGTTCGCTCAACCGCATGTAGCCACCTCCCGTTTCAACCGGACTGGCAGTAGTCGGCGC  
 CCCTCCAGCAGAGCCACCCCGCTCTAGTACTCAGTCCATTGACCAACAGGCTCCCGAGACTACACAC  
 ACCCCCTGTGCCCGGTGAAAAGGATGCCCTACACCAACCAACAGCAATCGCGTGGAAAGCCTCCT  
 CAAGAAGCTCCCCTAAGAGCAAAATCCGAAAGATGTTCTGTGAGGAACTGCTGAACAAGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101649 representing YP\_001129369  
 Red=Cloning sites Green=Tags

MAQGLYVGGFVDVVSCKLEQELYLDPDQVTDYLPVTEPLPITIEHLPETEVGWTLGLFQVSHGIFCTGA  
 ITSPAFLELASRLADTSHVARAPVKNLPKEPLLEILHTWLPGLSLSSIHPRELSQTPSGPVFQHVSLCAL  
 GRRRGTVAVYGHDAEWVSRFSSVSKSERAHILQHVSSCRLEDLSTPNFVSPLTLMAKAIDASFI RDRL  
 DLLKTD RGVASILSPAYLKASQFPVGIQAVTPRPAMNSSGQEDIISIPKSAFLSMLQSSIDGMKTTAAK  
 MSHTLSPGLMCGGQMFPTDHHLPSYVSNPAPPYGYAYKNPYDPWYSPQLPGYRTGKRKRGAEDDEGH  
 LFPGEAPYHKDILSMSKNIAEIQSELKEMKLNWHAGPPPSSSAAAAVDPHYRPHANSAAPCFPTMK  
 EHGTTYVHPPIYVQAPHGQFQQAAPILFAQPHVSHPPVSTGLAVVGAPPAEPTPASSTQSIQQQAPETTH  
 TPCA AVEKDA TPNPTS NRVEASSRSPKSKIRKMFCEELLNKQ

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_009333

**ORF Size:** 1602 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\\_001129369](#)

**RefSeq ORF:** 1602 bp

**Locus ID:** 4961478

**UniProt ID:** [Q2HR82](#)

**MW:** 57.9 kDa