

## Product datasheet for **VC100958**

### ORF17 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF17 (NC_001348) 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 VC100958 represents NCBI reference of NP\_040140 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGGACTTTTTGGTTTGACACGATTTATACATGAGCACAAGCTGGTAAAGCCAAGCATTATTAGTACAC  
 CACCTGGGGTACTGACCCCGTCCGCGTGCATGCTGGAATGTCATGTACTCTCCTGGAAGACTGTA  
 TCCCGTGGGTAAGAGAGAGAATCTTACGGACCGAGTGTGACCATCCACTGTTTGGGAGTTCTGCTGAGA  
 CTCCTTACACAGAGATCTTATTATCCCATCTTTGTGCTGGAACGCTGCACAGACGGGCTCTGTCTCGG  
 GTGCCAAAGCCATAATGTCACGCGCTATGAACCATGATGAGAGAGGCACTAGTGATCTCACCCGGGTTTT  
 GCTTCCAGTAATACCTCTGCTCCATCAAGTATAATAAACTCCGAGACATACGACAGCGTCTTTCGG  
 AATAGTTCTACATCATGCATCCCGTCAGAAGAGAACAAGGCCAGGATATGTTCTGGATGGGTGCCAA  
 GGCAAACCGATAAGACCATCTGCTGCGGATCAAAATGTTTGTCCCTCAGTCCACAATGCCGTCGG  
 AGGACATCCGAACACCGGCTGTACCACAACTGTGTGCTAGCCTCATTAGATGGATGGGTTATGCCTAT  
 GTAGAGGCCGTCGACATAGAAGCTGACGAAGCTTGCGCCAACCTGTTCCACACCAGGACCGTGGCCCTGG  
 TTTACACCACCGATACTGACCTGCTGTTTATGGGGTGCATATCCTCCTGGATGCCATCCCGATGTTTCG  
 CCCTGTAGTACGGTGTAGAGACCTGCTCCAATACCTTGGTATCACCTACCCAGAATTCCTCGTCGCTTC  
 GTGAGGTGCCAGACTGATCTCCATACTCCGACAATCTGAAGAGCGTGCAGCAAGTATTGAGACACAG  
 GTCTGAAAGTTCCACATCAAATGGATAAAGCACTCGCAGCCCTACTTATGATTCTGGAGACATGGCGA  
 GGTTTTCAAGAGTTTGACAGTGGCAACCTCCGGCAAGACTGAGAACGGGGTTTCCGTTTCCAAGTACGCC  
 AGTAACCGCTCTGAAGTACTGTGGATGCCTCCTGGGCTCTGAACCTGTTGCCACCGAGCAGTAGTCTCT  
 TGGACAATCTGGAAAGAGCCTTTGTGGAACATATTATTGCTGTGGTCACACCCCTCACTAGGGGTGCGACT  
 CAAACTGATGAAGAGGGTCAACATCATGCAAGAACCCGCTGACCCGATATATGGTGATCAACACCCTGTAT  
 CACAACCTGAAAGGCGAAAAATGGCCAGACAGTATGCCAGGATCTTCAAGCAATTTATCCCCACACCAT  
 TGCCACTGAATACCGTGTGACAAAGTACTGGAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100958 representing NP\_040140  
 Red=Cloning sites Green=Tags

MGLFGLTRFIHEHKLVKPSIISTPPGVLTPVAVDVWNVMYTLLERLYPVGKRENLHGSPVTIHCLGVLLR  
 LLTQRSYYPIFVLERCTDGPLSRGAKAIMSRAMNHDERTSDLTRVLLSSNTSCSIKYNKTSYDYSVFR  
 NSSTSCIPSEENKSQDMFLDGCPRQTDKTIICLRDQNVCSLTSTMPSRGHPNHRLYHKLCASLIRWMGYAY  
 VEAVDIEADEACANLFHTRTVALVYTTDLDLLFMGCDILLDAIPMFAPVVRCDLLQYLGITYPEFLVAF  
 VRCQDLHTSDNLKSVQVIQDTGLKVPHQMDTSTRSPTYDSWRHGEVFKSLTVATSGKTENGVSYSKYA  
 SNRSEVTVDASWALNLLPPSSSPLDNLERAFVEHIIAVVTPLTRGRLKLMKRVNIMQNTADPYMINTLY  
 HNLKGEKMARQYARIFKQFIPTPLPLNTVLTKYWN

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001348

**ORF Size:** 1365 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\\_040140](#)

**RefSeq ORF:** 1365 bp

**Locus ID:** 1487714

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

**MW:** 51.4 kDa