

## Product datasheet for **VC100959**

### ORF18 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF18 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100959 represents NCBI reference of NP_040141 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCAGAAGGATTGTTCCATTTTTTTATCGGCCGAGTGCCCTGATTAATAACCTGCGAGCAC  
TGAGCATTTCAAATAGGTGGTTGGAGAGTGACTTCATTATCGAGGATGATTACCAGTATTTGGATTGCCT  
GACTGAAGACGAGCTGATCTTCTATAGGTTTATCTTCACCTTTCTGTGAGCCGCCGACGATCTGGTCAAT  
GTGAACCTCGGTAGTCTCACAACTGTTCTCTCAGAAAGACATCCATCATTACTACATTGAACAGGAGT  
GCATTGAAGTTGTGCATGCTCGCGTCTACTCACAGATCCAAGTATGCTGTTTAGGGGGACGAAAGCCT  
TCGCGTCCAGTACGTCAATGTGACCATAAATAATCCTAGTATCCAGCAGAAAGTCCAGTGGTTGGAGGAA  
AAGGTAAGGGACAACCCCTCAGTTGCTGAGAAATACATTTTGATGATCCTGATCGAGGGTATTTTCTTCG  
TGTCTCCTTCGAGCAATCGCCTACCTGCGGAACAATGGCCTGTTCTGGTTACCTGCCAGTTAACGA  
CTTGATCTCAAGAGATGAGGCAATCCACACCTCCGCTCCTGCTGCATATATAAATACTACGTTCCCGAA  
AAACCGGCCATCACCAGAATCCATCAGCTCTTTTTCAGAGGCCGTTGAGATAGAATGTGCTTTCTGAAGA  
GTCACGCGCTAAGACTCGGTTGGTTAACGTTGATGCTATTACTCAATACGTCAAATTTAGCGCAGACAG  
ATTGCTGTCTGCGATCAACGTGCCTAAGCTCTTCAACACCCCCACCGATTCTGATTTCCCCCTCGCG  
TTTATGATCGCAGACAAGAATACCAACTTTTTTCAAAGACATAGCACTAGCTATGCCGGGACGGTATCA  
ATGATTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >VC100959 representing NP\_040141  
Red=Cloning sites Green=Tags

MDQKDCSHFFYRPECPDINNLRALSISNRWLESDFIIEDDYQYLDCLTEDELIFYRFIFTFLSAADDLVN  
 VNLGSLTQLFSQKDIHHYYIEQECIEVVHARVYSQIQLMLFRGDESLRVQYVNVTTINNPSIQKQVWLEE  
 KVRDNPVSAEKYILMILIEGIFVSSFAAIAYLRNNGLFVVTQCFNDLISRDEAIHTSASCCYNNYVPE  
 KPAITRIHQLFSEAVEIECAFLKSHAPKTRLVNVDAITQYVKFSADRLLSAINVPKLFNTPPPDSDFPLA  
 FMIADKNTNFFERHSTSYAGTVINDL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001348

**ORF Size:** 918 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\\_040141](#)  
RefSeq ORF: 918 bp  
Locus ID: 1487715  
UniProt ID: [P09310](#)  
MW: 35.4 kDa