

## Product datasheet for **VC100997**

### ORF56 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF56 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100997 represents NCBI reference of NP_040178 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTATATCAGGCCCCCCACCACATTCATTCTCTATAGGCTGCACGGGTGCGCCGAGTCTGCACT  
GGACCTTGCCAGATCATGAGCAGACCTTGATGCCTTTACTGGTGGCTCACGGAGCATGGCTGTTAAGAC  
AGATGCCAGGTGCGACACTATGAGCGGAGGCATGATAGTGTCCAGCATAACACACGGTCACGCTGCTT  
ACCATAGACTGCTCCACAGACTTCTCCTCATATGCCTTACACACCGGGACTTCCATCTCCAGGACAAAC  
CACACGCCACCTTTGCCATGCCATTTCATGTCTTGGGTTGGATCTGACCCACCAGTCAGCTTTATAGCAA  
CGTGGGCGGAGTGTGTCAGTTATCACAGAGGATGACCTGAGTATGTGCATTAGCATAGTCATTTATGGC  
CTGCGAGTGAATAGACCTGACGACCAGACCACCCAACTCCTACCCACACCACTAGCCAGCGCC  
GACAGCCAGAGACAACTGCCCCAGTTCACCCCAACCAGCCTTCTTTACATCTGACGATGACGTGCTCAG  
CCTGATCCTCAGAGACGCAGCCAACGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100997 representing NP_040178 Red=Cloning sites Green=Tags
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MSISGPPTFFILYRLHGVRRVLHWLTPDHEQTLYAFTGGSRSMAVKTDARCDTMSGGMIVLQHTHTVLL  
TIDCSTDFSSYAFTHRFHLQDKPHATFAMPFMSWVGSPTSQLYSNVGGVLSVITEDDLSMCISIVIYG  
LRVNRDDQTTPTPHQYTSQRRQPETNCPSSPQPAFFTSDDDLVLSLILRDAANA

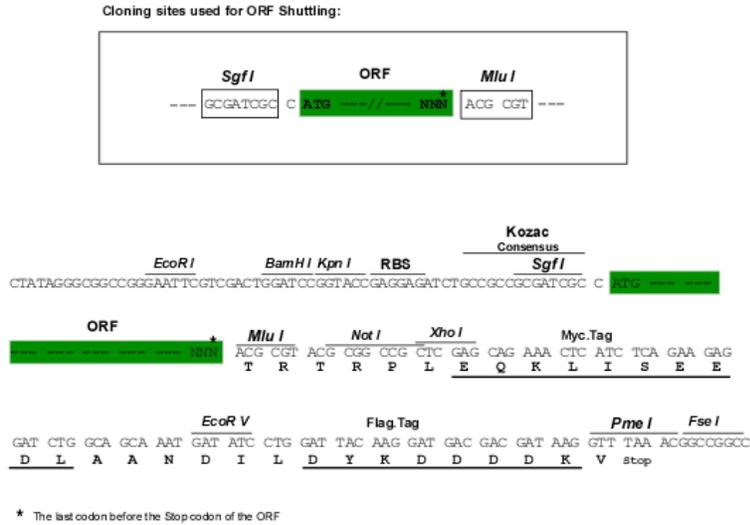
**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_001348

ORF Size: 588 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\\_040178](#)

RefSeq ORF: 588 bp

Locus ID: 1487683

UniProt ID: [P09310](#)

MW: 21.8 kDa