

## Product datasheet for **VC100951**

### ORF10 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF10 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100951 represents NCBI reference of NP_040133 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTGTAACTCGGCACTGAACACCCATCCACCGATACCTGGAACCGCTCCAAGACAGAACAGGCCG  
TAGTTGACGCCTTCGACGAGAGCCTTTTCGGGGACGTCGCCTCTGACATTGGTTTTGAGACTAGTCTCTA  
CTCTCACGCCGTGAAGACCGCTCCCTCCCCCTGGGTTGCTTCCCCAAGATCCTTTATCAGCAATTG  
ATAAGGGACCTTGATTTTTCTGAAGGGCCTCGGCTTCTTAGTTGCCTGGAGACCTGGAACGAGGACCTGT  
TCTCATGCTTTCCAATCAATGAAGACCTCTATAGCGATATGATGGTACTTTCTCCGACCCCTGATGACGT  
TATCTCAACGGTGAGCACAAAGACCACGTGGAGATGTTCAACCTCACCCACGCGGCAGCGTGCGGCTG  
CCTAGCCACCAAAGCAGCCAACCGGGTTCCTGCTTACGTGCAAGAGGTGCAGGACAGCTTCACAGTTG  
AATTGCGCGCCAGAGAAGAGGCATACACAAAGCTGTTGGTAACTATTGCAAGAGCATCATCCGATACCT  
TCAAGGAACCGCCAAGAGAACGACGATTGGATTGAACATCCAGAACCCTGACCAAAGGCCATACTCAG  
CTCCGACAGAGTATCCTGCTTCGATACTACAGGGAGGTTGCCTCACTGGCCAGGCTCCTGTATCTGCACC  
TTTACCTGACCGTTACCCGCGAGTTCTCCTGGAGGCTTTATGCATCACAGAGCGCCACCCCGATGTGTT  
TGCTGCTCTGAAATTCACATGGACTGAGCGACGCGAGTTACCTGTGCCTCCACCCGGTCTGTGTAAC  
CACGGCATCGTCCCTTTGGAAGGAAAACCCCTGACAGCAAGTGGCTGAGGGAAATTAACATAGACGCC  
GCGAGCTTGCCCTCCCCCTGTCCGATGTGGCTTGGTTGAAGAAAACAAAAGCCCACTTGTTCAGCAGCC  
GTCTTTCTCAGTTCACCTGCCAGGTCTGTGGGCTTTCTACCCATCATATTAACGGAAACTTGACGCC  
TACGCCGTGAAGCACCTCAGGACCCACGCCATGTTAGGGCGGACCACCCCTACGCAAAGGTGGTGGAGA  
ACCGGAATTATGGCTCAAGCATTGAGGCGATGATCCTGGCACCCCAAGCCCTTCTGAAATCCTGCCTGG  
TGACCCACCACGCCCTCCACCTGCGGCTTTCTACAAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



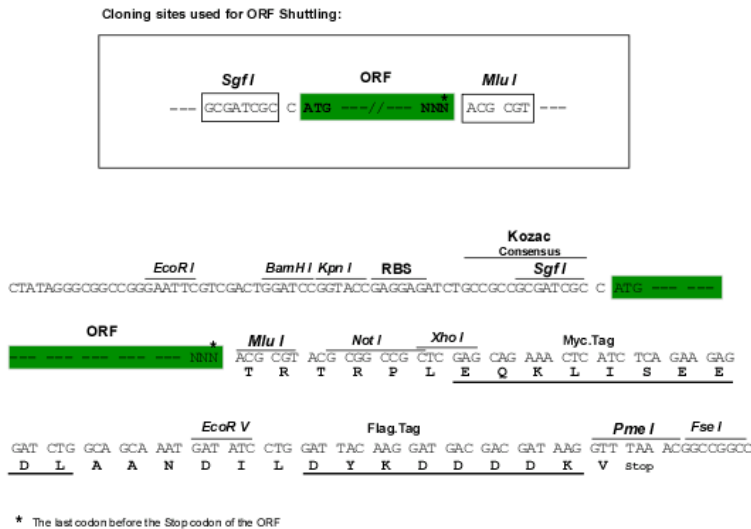
**Protein Sequence:** >VC100951 representing NP\_040133  
Red=Cloning sites Green=Tags

MECNLGTEHPSTDTWNRSKTEQAVVDAFDESIFGDVADIGFETSLYSHAVKTAPSPPWVASKILYQQL  
 IRDLDFSEGPLLLSCLTWNEDLFSCFPINEDLYSDMMVLSPDPDDVISTVSTKDHVEMFNLTTTRGSVRL  
 PSPPKQPTGLPAYVQEVQDSFTVELRAREEAYTKLLVYCKSIIRYLQGTAKRTTIGLNIQNPDKAYTQ  
 LRQSILLRYYREVASLARLLYLHLYLTVTREFSWRLYASQSAHPDVFAALKFTWTERRQFTCAFHPVLCN  
 HGIVLLEGKPLTASALREINRRRELGLPLVRCGLVEENKSPLVQQPSFSVHLPRSVGFLTHHIKRLDA  
 YAVKHPQEPRHVRADHPYAKVVENRNYGSSIEAMILAPPSPSEILPGDPPRPPTCGFLTR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001348

**ORF Size:** 1230 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\\_040133](#)

**RefSeq ORF:** 1230 bp

**Locus ID:** 1487675

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

**MW:** 46.6 kDa