

## Product datasheet for **VC100961**

### ORF20 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF20 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF20
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 VC100961 represents NCBI reference of NP\_040143 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCAGCCAGCCTACCAATCCCACTTTACGCTGAATGAGCAAACACTCTGCGGGACAAACATAAGCT  
 TGCTCGGGAATAACCGATTCATCCAGATAGGGAACCGCCTGCATATGACATATGCCCCAGGATCTTTGG  
 CAACTGGAGCCGGGATCTCACCATCGGACCTCGGTTTCGGGGGCCTGAATAAGCAACCAATTCACGTGCCT  
 CCAAAAAGGACTGAAACCGCATCAATCCAGTTACCCCTCGGTCCATAGTCATCAACAGGATGAATAATA  
 TCCAGATTAATCCAAGTATTGGGAACCCAGGTGACCATCCGCCTGCCGCTCAATAACTTTAAGTC  
 AACCACTCAACTGATTCAACAGGTATCTTTGACCGACTCTTTAGGCCGACATCGAACATGCAGGGTCC  
 ATCGTTTTGATTCTTCGGCACCCGTCCGACATGATCGGAGAAGCCAACACCCTGACCCAGGCCGGCCGG  
 ACCCAGACGTGCTGCTCGAGGACTGAGAACTTGTTCAACGCCCTGCACCGCCCATGGACCGTTGGAGA  
 GGGAGGAGGTCTCCGCGCTTATGTAACATCTCTTTCTTTTCATTGCAGCCTGTAGGGCAGAGGAGTACCG  
 GATAAACAAAGCCGAGATGCCAACAGAACCGCCATCGTCTCTGCCTACGGCTGCTCAAGGATGAAACCC  
 GACTGATTCGTTCTCTGAATGCCTTAGGGCTATGGTGAATGCCACGTGTTCCACACAGGTTTATTTT  
 ATCTTTGGGTCTCTGCTTGAATACACGATTCAAGATAACCTGTGCAACATCACTGCAGTCGAAAAGGC  
 CCCCAGGAAGCTGCGCGCACTGATAAACCTCCACTAGGCGCGTCACGGCTAACATCCCTGCTTGCCTTT  
 TTTGGGATGTCGATAAAGACCTTCATCTCTCCGCTGACGGTCTGAAGCATGTGTTTCTTGTCTTCGTGTA  
 TACGCAGCGCCGACAAAGAGAGGGTGTAGGCTGCATCTCGCTCTTTCTCAACTTAACGACCAATGCTTT  
 GGCAGAGGAATAGGATTCCTCTGGGACGATTCGCGCAGAGAACGCTGCATGGGGACAGAAAGGGTAG  
 CTAATACTCATCAGCCTTACAACACAAGGGCCTTGCCCCCTCGTTTCAGCTTCTAATGACCCGACTAGCCC  
 GAGATGTAGCATTGGAGAGATAACTGGCGTGAACCTGGAACCTCGCGCGGCAACGGCTGTACCAGTGGACG  
 GGTGATTTTCGGGGACTGCCACGCAGTTGTCTTGCATGTATGCCGCTATACCTTGATCGGCACCATTC  
 CATCTGAGAGTGTACGGTACACACGCCGAATGGAGAGGTTGCGCGGATACAACGTGCCACGATCTGGCT  
 TGAGGGAGTGGTCTGGGGAGGAATAACTTGGAACGAGTGTATTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100961 representing NP\_040143  
 Red=Cloning sites Green=Tags

MGSQPTNSHFTLNEQTLCGTNISLLGNNRFIQIGNLHMTYAPGFFGNWSRDLTIGPRFGGLNKQPIHVP  
 PKRTETASIQVTPRSIVINRMNNIQINPTSIGNPQVTIRLPLNFKSTTQLIQVSLTDFFRPDIEHAGS  
 IVLILRHPSDMIGEANTLTQAGRDPDVLLEGLRNLFNACTAPWTVGEGGLRAYVTSLSFIAACRAEYET  
 DKQAADANRTAIVSAYGCSRMETRLIRFSECLRAMVQCHVFPHRFISFFGSLLEYTIQDNLKNITAVAKG  
 PQEAARTDKTSTRRVANIPACVFWDVDKDLHLSADGLKHVFLVFVYTRRRQREGVRLHLALSQLEQCF  
 GRGIGFLLGRIRAENAAGWTEGVANTHQPYNTRALPLVQLSNDPTSPRCSIGEITGVNWNLARQLYQWT  
 GDFRGLPTQLSCMYAAYTLIGTIPSESVRYTRMERFGGYNVPTIWLEGVVWGGTNTWNECY

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001348

**ORF Size:** 1449 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\\_040143](#)

**RefSeq ORF:** 1449 bp

**Locus ID:** 1487685

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

**MW:** 54.0 kDa