

## Product datasheet for **VC101641**

### ORF70 (NC\_009333) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF70 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101641 represents NCBI reference of YP_001129361 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCCCTTTCGTGCCACTCAGTCTGTACGTTGCGAAGAAGCTGTTTAGGGCTCGGGGTTTCGTTCT  
GTCAGAAGCCCGGGTCTTGCCTTGGCCCCGAAGTGGATCCCTGTTCAATCCAGCATGAGGTTACAGG  
TGCTGAAACACCACGAAGAATTTCAGTACCTGCGCCAGCTCCGGGAAATCCTGTGCAGGGGATCCGAT  
CGGCTGGACAGGACCGGGATCGTACTCTCCCTGTTTGAATGCAAGCTCGCTACAGTCTGAGGGACC  
ACTTCCCCTGCTGACCACAAAGCGCGTATTTTGGCGAGGGTGGTCCAAGAAGTGTGTGGTTCCTGAA  
GGTAGTACAGACAGCCGGGAGCTGAGTAGAACTGGAGTCAAGATTTGGGACAAGAATGGCAGCAGAGAG  
TTTCTTGCTGGACGGGACTTGACATCGAAGGGAAGGTGACCTCGGGCCTGTGTATGGCTTTCAGTGGC  
GGCATTGTTGGAGCAGCCTATGTTGATGCTGACGCTGATTATACTGGCCAGGGATTGACCAACTCAGCTA  
CATTGTGGATCTGATAAAAATAATCCCCACGATCGACGGATAATCATGTGCGCCTGGAATCCCGCAGAT  
CTGAGTCTATGGCACTGCCACCCTGCCACCTGCTGTGTCAGTTCTATGTGGCTGACGGAGAGCTTCTT  
GCCAGCTGTATCAGCGAAGTGGAGACATGGGCCTTGGAGTGCCATTTAACATTGCATCCTATTCCCTTCT  
GACCTACATGCTCGGCATGTTACTGGACTGCGGCCAGGAGATTTATCCACACTGGGGACGCACAT  
ATCTACAAAACACTCACATCGAACCACTTCGTTGCAAGTACCAGGACACCAAGGCCATTTCCACGGCTGG  
AAATTTGAGATCAGTATCCTCCATGGAAGAATTCACACCTGACGACTTTAGGCTGGTTGATTATGCC  
CCATCCTACCATTGCGATGGAGATGGCGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101641 representing YP\_001129361  
Red=Cloning sites Green=Tags

MFPFVPLSLYVAKKLFRRAGFRFCQKPGVLALAPEVDPCSIQHEVTGAETPHEELQYLRQLREILCRGSD  
 RLDRTGIGTLSLFGMQARYSLRDHFPLLTTRKRVFRGTVVQELLWFLKGSTDSREL SRTGVKIWDKNGSRE  
 FLAGRGLAHRREGDLGPVYGFQWRHF GAAYVDADADYTGQGF DQLSYIVDLIKNNPHDRRIIMCAWNPAD  
 LSLMALPPCHLLCQFYVADGELSCQLYQRS GDMGLGVPFNIASYSLLTYMLAHVTGLRPGEFIHTLGDH  
 IYKTHIEPLRLQLTRTPRPFPRLEILRSVSSMEEF TPDDFRLVDYCPHPTIRMEMAV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_009333

**ORF Size:** 1011 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\\_009333.1](#), [YP\\_001129361](#)  
RefSeq ORF: 1011 bp  
Locus ID: 4961481  
UniProt ID: [Q2HR82](#)  
MW: 38.6 kDa