

## Product datasheet for **VC101681**

### ORF50 (NC\_009333) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF50 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101681 represents NCBI reference of YP\_001129401 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCAGGATGATAAAGGTAAAAAGCTCCGCAGATCTTGTGTAGAATCCTTCGTCGGGCTTCCGATG  
AGTTGAAGGCCAGCTCTACCAATGCGTCTGCTCATCAACGACGCTTACGAAACCATTTATGACCCATC  
TGATCTGAACAGGGTGGTAGAAGATGTTTGCATCAGGATAATGAAGGAGTGCAGCAAGCTGGGTGCACTT  
TGCGGACTTTTTACCGACATCAACATGTTTAACTCTTTTGTTCCTCAGAGCCTCTCGCATGGGACTA  
AAGGTGCAGCAGGCTACAATGTCCCATGCGCTGAGGCCTCCAGGGTATCATTCCGATACTCACAGAAAG  
AATCCTTTTCTGCACCGAGAAGGCCTTCTGACAGCTGCCTGTAGCGGTGTCAGTTTCCACCAGCCATA  
TGCAAGTTGCTTCATGAGATATACACTGAGATGAAGGCCAAATGTCTTGGTGCATGGCGCAGGCTCGTGT  
GTAAACAGGCGGCCATTATGATCCTTACTCAAGCCTCCTGAAGTTGTACAATACCTATGATACTGCAGG  
TCTGCTCTCCGAGCAGTCCCGGGCTCTGTGTTTGTCTGGTGTTC AACCCGCTATTTGCCTCGCATCATG  
GCCCCCTTGAGATTATGACTAAGGGCCAACTGGCCCCGAAAACCTTTACTCCATCACTGGGAGCGCCG  
AGAAACGACAGGCCATTACTACAGGTAAGGTGACCGGCCTCTCCTACCCAGGCTCCGGCCTTATGCCAGA  
GAGCCTTATCCTGCCAATACTGGAACCGGGATTGCTGCCAGCTAGCATGGTGGACCTTAGTGATGTTCTG  
GCTAAGCCCGCAGTCATCCTCTCCGACCCGCCCTGAGCCAGTTCGTAATTTCTAAACCGCACCCCAACA  
TGCCCCACACAGTATCTATCATCCCTTCAATCCCTCTGGAACCGACCCCGCCTTTATTAGTACATGGCA  
GGCAGCCAGCCAAAATATGGTGTACAATACATCAACGGCCCCACTGAAACCCGCGACAGGGAGCTCTCAG  
ACTGTGCTGTGAAAGCCGTCGCACAAGGAGCGGTGATCACAGCGACTACGGTCCCTCAGGCTATGCCAG  
CGAGAGGAACCTGGTGGCGAATTGCCCGTGATGTCAGCAAGCACTCCTGCCAGGGACCAAGTGGCCGCATG  
TTTTGTGGCAGAGAACACCGGTGATAGCCCCGACAACCCAAGTAGCTTTCTGACATCCTGCCACCCATGC  
GACCCTAATACTGTCAATTGTGCGCCAGCAGTTCAGCCCCGCAATGCGTTACCCTGCTCCAGGTGACCT  
GCGCACCTAGTAGTACTCCCCCCCCGATTCAACTGTCCGCGCCCCAGTGGTGAACCTTCTACCCTGGT  
TCCTCTGCCTGCCAGCGCTTTTCTGCCCGCCCTCGCACAGCCTGAGGCCTCAGGTGAAGAGCTGCCCGG  
GGTCACGACGGGATCAAGGAGTGCCGTGCCGCGATAGCACCGCTGCGGCAACTGCTGCTGAGGCCACGA  
CCCCAAAGCGGAAACAGAGGTCCAAAGAACGCTTCTAAAAAAGGAAAGCCCTGACTGTGCCTGAGGC  
CGACTACTCCGAGCACTACTACACCAGGAACGTCCTGGGTAGTATTACAACACCCAGGATGTGCAT  
GCCACAGACGTCGCCACCAAGCGAGGGGCCATCTGAGGCACAGCCTCCACTGCTGAGTCTCCCCCCCCAC  
TCGATGTAGATCAATCCCTGTTTGGCTGTTGGACGAAGCCGGCCCCGAAAACCTGGGATGTGGGTAGTCC  
CTTGAGTCTACCAGCAGCGCTGCTCTCCAGTATTCTGAGGGACTCTATCAGCTCGATACCCACCC  
CCACTGCGGTCTCCAAGTCCAGCTTCAATCGGCCCTGAATCTCCTGCTGATATCCCATCCCTAGCGGAG  
GCGAGTATACCCAGCTCCAGCCCGTCAGGGCTACTTCTGCAACTCCTGCAATGAAGTGCAGGAATCTGG  
AACCTGTACCACTGCACCAGTGGAGAAATTACTTCAGAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101681 representing YP\_001129401  
Red=Cloning sites Green=Tags

MAQDDKGGKLRRCVSEFVGLSDELKAQLYQCVLLINDAYETIYDPSDLNRVVEDVCIRIMKECSKLGAL  
 CGLFTDINMFNLFCCFRASMRRTKGAAGYNVPCAEASQGIIRILTERILFCTEKAFLTAACSGVSLPPAI  
 CKLLHEIYTEMKAKCLGAWRRLVGNRRPIMILTSLLKLNTYDTAGLLSEQSRALCLLVFQPVYLPRIM  
 APLEIMTKGQLAPENFYISITGSAEKRRPITTKVTKVGLSYPGSGLMPESLILPILEPGLLPASMVDLSDVL  
 AKPAVILSAPALSQFVISKPHPNMPTVSIIPFNPSGTDPAFISTWQAASQNMVYNTSTAPLKPATGSSQ  
 TVSVKAVAQGAVIDTATTVPQAMPARGTGDELPMVMSASTPARDQVAACFVAENTGSDPNPSSFLTSCNPC  
 DPNTVIVAQQFQPPQCVTLQVTCAPSSTPPDSTVRAPVVQLPTVVPLPASAFLPALAQPEASGEELPG  
 GHDGDQGVPCRDSTAAATAAEATTPKRKQRSKERSKKRKRKALTVPEADTTPSTTTPTGSLGSIITPQDVH  
 ATDVATSEGPSEAQPPLLSLPPPLDVDQSLFALLDEAGPETWDVGSPLSPTDDALLSSILQGLYQLDTPP  
 PLRSPSPASFGPESPADIPSPSGGEYTLQVPVRATSATPANEVQESGTLYQLHQWRNYFRD

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_009333

**ORF Size:** 2073 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\\_001129401](#)

**RefSeq ORF:** 2073 bp

**Locus ID:** 4961526

**UniProt ID:** [Q2HR82](#)

**MW:** 73.7 kDa