

Product datasheet for **VC101680**

ORF48 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF48 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101680 represents NCBI reference of YP_001129400 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTCTGTATACCTATTCTGGTATAGGTGACGAGAAGTGGCAGAGCTGGCGGCCAGATTGTTG
CCTTTGGGACAACAAGCGGATTTGTTAAGACTGAAAGAATCCTGAGGGGGCTTTTCTGTAACGAGGACA
CCCAGGTTTCTTGGCATCTCTTGTGTACTTAAGCACACCCTGGCCAGCCCTGGCGGACTGAATACGCGG
TTGAACCTGTTGCCAGTTTTCAGATGCTTAAATACGTCGGGCAGGAGATGTACATGCGGGCTAAATGTC
AGGCCACAGCCAGCGATATGACACTGATTTGGGACGATTGCAAAGACCGTTTCATGCTCACTGGAACA
GGCATGTGGATGTCACCAATGTATGACCGTGGTAGAGAAATAACGCATTGTAGCGCCATAAGCGCTCCA
CCAAGCAGCCTTCTCACGGGAGACACATCCTGTCCGAGGACTCATTAAATTTGCGCGAAGGCAAGTCC
TCTTGGGGGGGAGCGTCAGCTTCTCAGAATTTCAATCCCGACTTGATCCAGACTCCTGAACAATACCC
CTTTGTCGACGTGGAGTCCGACGCGAACTCTCTGATTAGCTCTTGCCTTAATGTCTGCTGGCTCTAC
CACATATTTATCGAACACATCACTTCCGATGTGAGACGACTCGAATCATGCATGGCTTCTGTGCTCGAAG
AATATGGGGTCTGTACCAACTCGCCATGGGCAGAGGCCGTAACCTTTCTCTCACAGTCCCAAGGCC
CACTAGGAAACCTTGAAAGAGCTGTCCGTGTCTCGGATCAATGTTGAAGCTCGGTTGCTGGATACCTG
GTGATGCAACTGGAGAAACCAGTGCCAGTGCAGATTATCAAGCACGCTCTGGCTATCCTCGGACTGCCG
GCCACGTGTGAAACCCGAGCATCAGCTGGCCTGCCCCGATACACGAACATGTAGGGAGCGCGTGAGCAA
GGGGCCTTGTGTGCGGGACGGCGATGTCCTCTCGTCCACACCGCTAGAATGGACATTTCCAATCCCTCT
TCCGTGAGCCCGATGGAGATGTGCATTACAGCGGCCCCCGAGGACTCCCGCTATGGAGTGGTCTCG
AGTGGCTGATGATAGCGATGATTCCTGGATGATTTCTTGAGAATCTGAGTCAAACCTGCGATAGCTC
TGATGACGAGTACGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



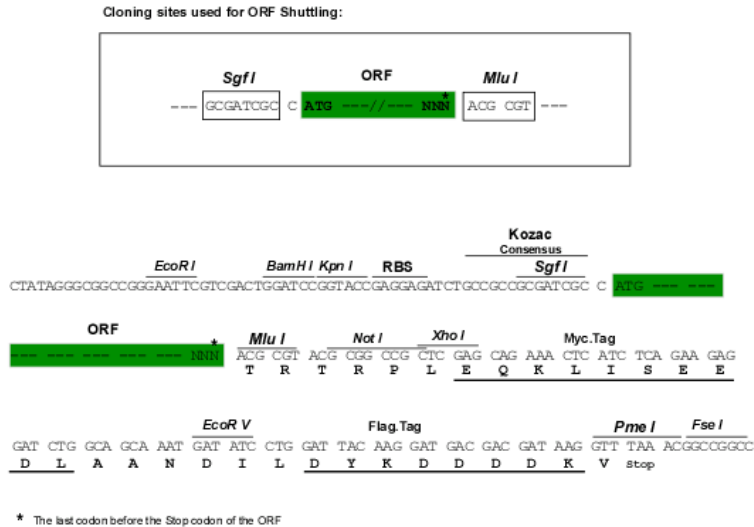
Protein Sequence: >VC101680 representing YP_001129400
Red=Cloning sites Green=Tags

MEVCIPIPGIGDENCESWRAQIVAFGTTSGFVKTERILRGLFPERGHPGFLASLVVLKHTLASPGGLNTR
 LNLLPVLQMLKYVQEMYMRAKQATASDMTLIWDDCKDRFMLILEQACGCHQCMTVVEEITHCSAISAP
 PSSLSHGRHILSAGLINFARRQVLLGGSVSFSEFSIPDLIQTPEQYPFVDVEFRRELSLISCLNVCWLY
 HIFIEHITSDVRRLESCMASVLEEYGLSPTRPWAEAVTFLSQLPRPTRKPKWELSVSRINVEARLLDTL
 VMQLEKPVPEI IKHALAILGTAGHVWNPEHQLACPDTRTCRERVSKGPCVGDGDVTLVHTARMDISNPS
 SVSPDGDVHYSPPRTPAYGVVLECAADSDSLDDFLENLSQTCDSDEYD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 1206 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_001129400](#)

RefSeq ORF: 1206 bp

Locus ID: 4961458

UniProt ID: [Q2HR82](#)

MW: 44.6 kDa