

Product datasheet for **VC100988**

ORF47 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF47 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF47
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 VC100988 represents NCBI reference of NP_040169 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGACGCCGACGACACCCCCCAACCTTCAAATCTCTCCACCGCCGGCCCCCTGCGCAGTCACCACA
 ATACCGATGGCCACGAGCCCAACGCTACCGCGCCGACCAACAAGAGCGGAAAGTACGAATCCAACACA
 CGGATGTGTCAACCACCTTGGGCTAACCCGAGCACTGCCACTTGTATGGAGAGCCAGAGCGCAGTCAG
 CAGACGTCTCTGTTCTGCTGAAACATGGCTTGACCAGAGATCCTATCCATCAGAGGGAGAGAGTCGATG
 TCTTCCACAGTTTAAACAAGCCGCTTGGGTTTTTAGGATTAGTAAGCTGTCCCGCCTTATCGTGCCCAT
 CTTACGCTGAATGAACAGCTCTGTTTTCCAAGCTGCAGATACGGGACCGGCCTAGATTCGAGGACGG
 GGGACCTACGGAAGAGTCCACATCTACCCATCATCCAAAATTGCCGTCAAACCATGGACTCCCGGGTCT
 TTAATAGGAATTGATCAACGCAATCCTGGCATCCGAAGGAAGCATCCGCGCCGGGAACGACTGGGGAT
 CAGCTCCATCGTCTGTCTCGGGTCTCTCTCCAGACCAAACAGCTGCTTTTCCCTGCCTATGACATG
 GATATGGATGAGTATATCGTTAGACTGTCTCGACGGCTCACAAATCCCTGATCATATCGATCGAAAAATCG
 CCCACGTGTTTCTTGATCTGGCAGAGCTTTGACTTTTTTGAACCGCACCTGTGGCCTCACACATCTCGA
 CGTGAAGTGCGGCAACATCTTTCTCAATGTTGACAACCTTGTCTTCTTGAGATAACTACGGCGGTGATC
 GGGACTACAGCCTGGTTACACTCAACACATATCCCTGTGTACGCGGCAATCTTCGAGGTGGGAAATC
 CCTCCACCTGAACATGTGTTGAGGTACCACGAGATGCCAGTCAGATGTCCTTTAGGCTGGTGTGAG
 CCACGGGACTAACCAACCCCTGAGATCCTGCTGGACTATATTAATGGTACAGGACTGACAAAATACACC
 GGGACTGCGCAGAGAGTGGGCTTGCTATCGATCTGTACGCGCTCGACAGGCACTCCTGGAGGTAA
 TTCTGCTTGGGAGACTCCCTGGGAGCTGCCTATCTCCGTGCACAGAACTCCACATTACCACTACTATGG
 CCACAAGCTTTCACCGATCTCGCTTGGATACCTGGCCTACAGGTGTGTTCTGGCACCTTACATTCTC
 CCGTCAGACATTCGCGAGATCTGAACACAATCCATTACACGCGGAGAGTTGAATACAAGGATTA
 GCAGGAATTCCTGCGCAGAATTTTTCAGTGCCATGCTGTTGGTACGGGTACCCCACTCCAAATTGTT
 CGAAGGGATTGCGATCCCGCTAGTCTCTATCCTGCCACAGTTGTGACTTCCCTGCTTGGCACGACAAC
 AGCGAGATCAGATCTGACCATCTCTGCTTGGCACGACAGGACTGGATTGGTTCTACC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100988 representing NP_040169
 Red=Cloning sites Green=Tags

MDADDTPPNLQISPTAGPLRSHNTDGHEPNATAADQQERESTNPTHGCVNHPWANPSTATCMESPERSQ
 QTSFLFLKHGLTRDPIHQREVDVFPQFNKPPWVFRISKLSRLIVPIFTLNEQLCFSKLQIRDRPRFAGR
 GTYGRVHIYPSSKIAVKTMSRVFNRELINAILASEGSIRAGERLGISSIVCLLGFSLQTKQLLFPAYDM
 DMDEYIVRLSRRLTIPDHIDRKIAHVFLDLAALTFNLNRTCGLTHLDVKCGNIFLNVDNFASLEITTAVI
 GDYSLVLTNTYSLCTRAIFEVGNPSHPEHVLVRPRDASQMSFRLVLSHGTNQPPEILLDYINGTGLTKYT
 GTLPQRYGLAIDLIALGQALLEVILLGRLPGQLPISVHRTPHYHYHGHKLSPLDALDTLAYRCVLAPYIL
 PSDIPGDLNYPFIHAGELNTRISRNLSRRIFQCHAVRYGVTHSKLFEGIRIPASLYPATVVTSLCHDN
 SEIRSDHPLLWHRDWIGST

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NC_001348

ORF Size: 1530 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_040169](#)

RefSeq ORF: 1530 bp

Locus ID: 1487678

UniProt ID: [P09310](#)

MW: 57.4 kDa