

Product datasheet for **VC100986**

ORF44 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF44 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100986 represents NCBI reference of NP_040167 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAC TTCAGCGGATATTC CCGCTCTACACGGCTACTGGTGTGCGCGGAAATTGACACCAGAGGCCG
TGCAGCGCCTGTGCGATGCTCTGACACTGGACATGGGCTTGTGGAAAAGTATTCTGACCGATCCGAGAGT
CAAGATAATGCGCAGTACTGCC TTTATAACGTTGCGGATCGCCCCATTTACCTCTGCAGACTGACACA
ACAAATATTGCAGTGGTAGTGGCTACCATATACATTACAAGCC TAGACAAATGAACCTGCCTCCCAAAA
CTTTCCACGTCATCGTCAACTTCAATTATGAAGTATCCTACGCCATGACGGCGACCTTGCGCATCTACCC
AGTTGAGAACATTGACCAGTCTTTGGGCTACTTTCAAGAACCCTATCGCTTACCCATTGCCAACTTCC
ATCCCAGATCCCCGGGCAGATCCTACCCCGCTGACCTCACACCAACCCCAACCTTTCAAATATCTGC
AACCCCTAGACTCCCAAGAACCATATGCATGCAAAGTAATTTCCCCGGGGTTTGGTGGAGCGATGA
ACGCCCGCTTGTATGTACTGGCGATGGAGCCGAACCTGATTGGCCTCTGCCCCGAGGGTGGCATGCT
CGAATCTGGGGTCAGTCTCAATCGATTGCTTTCTCATGCCGATGGGTGTGACGAATGTAACCATCGG
TGCACGTAGGTGCTCTGTATGCCCTGCCACACGTGACAAATCATGCAGAGGGCTGCGTTTGTGGGCACC
ATGTATGTGGCGAAAGCCGGACAGAGAGAATTGAAAGTGGAGGTGGATATCGGGGCCACTCAGGTA CT
TTCGTGGACGTC ACTACATGTATCCGAATTACGTCCACTAAGAACCCAGGATAACCGCTAACCTCGGAG
ATGTCATTGCTGGTACTAACGCAAGCGCCTGTCAGTGCCGTCAATTCTCTGGGTGGCAGCTGTACAT
GTTTGGCGAGACCTTGTCCCAGCGATCATAACGGCTGTGGGCTGCTCCAGAGGATATGTTTTCCGGAG
ACCCAGCGGCTGAGCGGAGGCCGAACCAACCACA ACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100986 representing NP_040167
Red=Cloning sites Green=Tags

MELQRIPLYATGAARKLTPEAVQRLCDAL TDMGLWKSIL TDPVKIMRSTAFITLRIAPFIPLQTD
 TNIAVVATIYITRPRQMNLPKTFHVI VNFNVEVSYAMTALRIYPVENIDHVF GATFKNPIAYPLPTS
 IPDPRADPTPADL TPTPNL SNYLQPPRLPKNPYACKVISPGVWSDERRRL YVLAMEPNL IGLCPAGWHA
 RILGSVLNRL SHADGCDECNHRVHV GALYALPHVTNHAEGCVCWAPCMWRKAGQRELKVEVDIGATQVL
 FVDVTT CIRITSTKNPRITANLGDVIAGTNASGLSVPVNSSGWQLYMFGETLSRAIINGCGLLQRICFPE
 TQRLSGEPEPTTT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001348

ORF Size: 1089 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_040167](#)

RefSeq ORF: 1089 bp

Locus ID: 1487718

UniProt ID: [P09310](#)

MW: 40.2 kDa