

Product datasheet for **VC100946**

ORF6 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF6 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100946 represents NCBI reference of NP_040129 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAAATCCTCAAGCCGACAATACGGCTCCTCTTCGCTACGAAGGGTTGTGCCATCTCTCATTAC
TTCTGTTGCTCACTGGTCAAATCTCAACAGAGCCCCTGTACGTTGTATCTTATACCTGGACCCCGACTT
GGATGACGTGTTCTGTTAAGAATGGGAGAGAGGAAATCACTCAGGTGATCCCTACTAAAAGCCCGCGGAG
GTTACGGAGAATGATGAGGAGAACCAATCATGCACTTGTCTGCTCTCGGGATGTGAATGTTATTTTCT
ACCTCATTGGGGGTTTAGCACCGCGAGTCCGATCTCGGGTTTGGCCATATTCTTCTGCTGTTTCAA
AACCCAAACCGACTTTAAAGCACTTTATAAGGCTCTCTGGTACGGTGCACCCCTCAATCCCATATTATC
TCCGACACTCTGTGATTTCCGAGACATTTGATATTCCTCCGAGGTAATACAGACGCTCATGGTCACCA
CTCATCATCTGAATCGGAAAGGCCTTTCCGACAACGGACTCTGCATTACAGAGGCGACCTGTGCAAGCT
GGTGAAGAAGAGCGTGGGTAGACAGGAGCTTACATCACTGTACGCACACTACGAGAGGCAGGTGCTGGCT
GCGTACCGAAGGCTGTACTGGGGCTATGGCTGCTCCCCTTTTGGTATATCGTACGGTTTGGCCATCCG
AAAAAATCTGGTCTGGCCACACGCTACTACCTGCTGCAAACGACACAAGCTACAACACTCTTGAGAC
CCCTCTTTATGACCTGCAGGCGATAAAGGACCTGTTCTCACTTATCAGGTGCCTGCACTGCCAACTGC
TCAGGCTATAATACAGCGATCTCCTGAGCTTCGATAAATTGAGCATGTTCTGCTGCTCCAGCACTTACA
CTCGCGGGTTGACGGCCAAAAATGCTTTGTCTACATCTTGCAAAGGATACATACCGATACAACAGAGAT
CCATGCCGTGAGTGAGTACATTACTAATGACCGCAAGGGCCTGAAGGTCCCGACAGGGAATTTGTAGAT
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ACTCTGATTTCTGTAACAAGCCCGTGTCTTAAAGAGCAGCAACCTGGGGAAGAGGGTACCGCCAAATTT
CTTTAACCACGTGCGCAGCCGGCTCAATATGCGCGATTACATCAAGAAAAACGTGATCTGTGACGTGACC
GAGCTCGGCCCGGAGATCGGACACAAGTACACCATCACAAGACCTATACCCTGTCACTCACCTACGCCG
CTAAACCTCTAAATTTATAGGTGTGTGACCTGGCCACAACGTTGACACGGCGGGTGGAGAATATCGA
GAAGCACTTCTCTCCATACGGATGGTCAAGTACTATACCCTCAAATCCACCCGGTTTGACGAATTTGTC
AACTTCGAAGACTCTGGAGTCAGTGCAGAAGCTCTGAGGGCCGCTAACTTCGCAAATGATACCCCGAAC



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AGAGTGGACGAACGGGCTTCGACACTTCTCCCGGAATCACTAAACTGCTCCTCTTCTCCGCGGCTAC
TGGCATCGCAACTCATGATGTGTCTATTTTGAGCTATAAGACTCCACTGGAGGCTCTGATCGGGCACTCT
GAGGTGACCGGCCAATGCCCGTTTACAGAGTTGCCCTGCCACACGGCGCCAGGCTTTGCAGTTATTG
CCAACGACACATGGTCAAGCATTACTAATCGCTACACACTCCCGCAGGAGCCAGGCTTATCGCCGAAGA
CTTGAAACAGATAAACCCCTGCAATTCGTAGCCGCTTCTCTCCGAGACATGCAACTGACTCTGTGCTG
AGCACCTCAGTAAAGAATGTATCCAAGATTTCTCTAATATTCGAAAGACCAGCTCTATATTAATAGAA
ATGAAGTGTAAACACAAACCTGATTATAACAAATCTGATCCTCGACGTGGATTTTACATTAGGAAACC
TATCCCACCTTGGAACTCTGCATGCCGGCATGAGGGCATTCCGACACGGTATTCTTACAGCAATGCAGCTG
CTGTTCCCTAAGGCGGTGGTGAACCCCAACAAAGACCCATGTTATTTTTATAAAACAGCTTGTCCGGAAC
CCACCGTGGAGGCTCTGGACGATGACAATCTGTTGGACATCACATCACACTCCGACATCGACTTTTACAT
CGAGAATGGTGGCTTTACACATGTGTGGAAGAGAATTACACAGAAGACGTGTGGTTTTTGGACCCAG
ACTACCAGCGAGGTGCACACCCACGCCGATGTGAGTAAACAATGAGAATCTGCATGAGACCCTTCCCTGTA
ACTGCAAGGAGAAAATAGGATCCGCGTTTGTGTACCAATCCCAATCCCTACGCATTGGTGGTCCAG
TACCCTGAAGGGCTTTGCCAAAATACTGCAGCAAGCCGCTCCTCTGAAAGGGAGTTCGTGGAGTATATC
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ACAGTGTATAGACATCCTTGCTTTCGTTACAAGCCATAGGAATCCCGCAAATTTCCACTCCACTCCCGG
CCACAGTCTAATGTGCCAGTCCAGTTTATCCTGCACAATTTGGCGGCGAATACGCAGAGTTTTTGGAA
GAAAAGTGGCCCGGAACAAACAATCTTTTCTAGTCTCAGATCTCCCTACGAAGGCCCTGAAAGAGCG
CGGAGTGACTTGTCTGGATGCCTTACTCTGAAGCATTGTGCGATAGTACCATCCTGGAATCAATTGTA
GAACACATTGCCGTGCACTTCCCAGGGAGACCGAGAGTACACTCTGACATCTTCCAAATGTATTGCTA
TCAAGAGAGACTGGGTCCTGTTTCAGCTTATTTGCGGTACCAAAGGATTCAGTGCCTGCGATATCCCA
CCGGGGCGGAAGAACCACCGAGGAGCTTCGTGTCCCTGAGGGTCGATCATACAATAGGCTGTGTATC
TCATTGGCACAGCAGTGCTTTGCCACTAAATGCGATTCCAACCGCATGCACACTATCTTACCCTCGAAG
TCCCAATTATCCTAATCTGACATCTAGC
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100946 representing NP_040129

Red=Cloning sites Green=Tags

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MDKSSKPTIRLLFATKGCASHSLLLLLTGQISTEPLVYVSYTWTPDLDDVFVKNGREEITQVIPTKRPRE
VTENDEENQIMHLFCSRDNVIFYLIGGFSTGDVRSRVWPIFFCCFKTQDFKALYKALWYGAPLNPHII
SDTLCISETFDIHSEVIQTLMTVTHHLNRKGLSDNGLCITEATLCKLVKKSVMGRQELTSLYHYERQVLA
AYRRLYWGYGCSFPHYIVRFGPSEKTLVLATRYLLQTDTSYNTLETPLYDLQAIKDLFLTYQVPALPNC
SGYNIIDL SFDKLSMFCCSSTYTRGLTAKNALSYILQRIHTDTEIHAVSEYITNDRKGLKVPDREFVD
YIYLAHFECFNKQIADHLQAVTYSDFVNKPVLLKSSNLGKRATANFFNHVRSRLNMRDYIKKNVICDVT
ELGPEIGHKYITTKYTLSTLYAAKPSKFIGVCDLATTLTRRVENIEKQFSPYGWSTIPSNPPGFDELS
NFEDSGVSAEALRAANFANDTPNQSGRTGFDTPGKITKLLFFSAATGIATHDVSILSYKTPLEALIGHS
EVTGMPVYRVALPHGAQAFVIANDTWSSITNRYTLPHEARLIAEDLKQINPCNFVAASLRDMQLTLL
STSVKNVSKISSNIPKDQLYINRNELFNTNLIITNLILDVDFHIRKPIPLGILHAGMRAFRHGILTAMQL
LFPKAVVNPNDPCYFYKTACPEPTVEVLDNLLDITSHSDIDFYIENGELYTCVEENYTEDVWFDTQ
TTSEVHTHADVSNENLHETLPCNCKEIGFRVCVPIPNPYALVGSSTLKGFQAQILQQAVLLEREFVEYI
GPYLRDFSFDITGVYSHGSLRPLFFSKVTTTGTAVGQLLPFYVVEQCIDILAFVTSHRNANFHFHSR
PQSNVPVQFILHNLGGEYAEFFERKVARNKQIFSSPQISLTKALKERGVTCDAFTLEAFVDSTILESIV
EHIAVHFPGRDREYTLTSSKCIAIKRDWVLFQLICGTKGFTCLRYPHRGGRTAPRTFVSLRVDHHRLCI
SLAQQCFATKCDNRMHTIFTLEVPNPNLTSS
    
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TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NC_001348

ORF Size: 3249 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_040129](#)

RefSeq ORF: 3249 bp

Locus ID: 1487676

UniProt ID: [P09310](#)

MW: 122.5 kDa