

Product datasheet for **VC101697**

ORF60 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF60 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101697 represents NCBI reference of YP_001129417 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCCGTGGACCGTTTTCTGTACACATCTGATCATGACGGGTTTTGGCTCTCACTCGCGAGACCT
GGCAAAATAGGTGGTTCCTTCTCAGATTCCTTGCACCTGGACGTGCCACGTACACCAACTGTCAGA
TGCTGATAAGGACTTCTACAGTTTCTGTTCACTTTTCTGGGCATGGCGAAAGGTTGGTAAATTTTAA
ATAGAAGATTTGGTGACCAACTTAAATAGTCACGACGTTGCTCACTACTATGCTGAACAAGTCGCCATGG
AGAACATCCACGGAGTGGTGTATGCAAATATCTTGAAAATCTTCTTAAATAATTCCAGAGGCGAGCTTTT
GGCGTACGCAGCAAAGATCATCCTGGATCCCGCACTCTGCGAGAAACTCGAGTGGTTGCATAGCAGAGTA
CGAAAGGCAACTACCAAAGCACAGAAGATCCTGATGTTTCTCATCGTGAAGGCATTTATTTTCATCTCTT
CCTTTTACAGTATATCACTTTGCCGCGTCCGAGGCATTATGCCGGGAGTGTGTCTGGCTAATGATTATAT
AAGCCGGGATGAACCTCTGCACACTAAGGCCGCTTCCATGCTGTATAACACTATGGTAGAGATCCAGGAG
AAACCATCCACGCAGAAGTGCAGGCCCTTTAGAGAAGCAGTTAACATAGAGATTCGGTTCATTTCAGG
CAAAAGCAGCCGGTGTGACTCTGGTGAACGTGGTGGACATCAGGAGGTTCTGGAGGCAACTGCCGACAG
AATCCTCAGAGATATCTCGTCCCCCTATATTTGGCACCCCCCTCTGAAGCCTGCCATTGTCTAC
ACCGGATCATTTAAGGCAGTCAACTTTTTGAGCGGGATAATTCAGACTATACGACTTGCCTTACAGACG
ATTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101697 representing YP_001129417
Red=Cloning sites Green=Tags

MDSVDRFLYTSDHGFLALTRETWQNRWFPSQIPLHLDVSHVHQLSDADKDFYRFLFTFLGMAERLVNFN
 IEDLVTFNFSHDVAHYAAEQVAMENIHGVVYANILKIFFNNSRGELLAYA AKIILD PALCEKLEWLHSRV
 RKATTKAQKILMFLIVEGIYFISSFYISL CRVRGIMPVCLANDYISRDELLHTKAASMLYNTMVEIQE
 KP SHAEVQALFREAVNIEIRFIQAKAAGVTLVNVVDIRRFLEATADRILRDIFVPPPIFGTPPPEACPLSY
 TGSFKAVNFFERDNSDYTTTCVTDDL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_009333

ORF Size: 915 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_001129417](#)
RefSeq ORF: 915 bp
Locus ID: 4961455
UniProt ID: [Q2HR82](#)
MW: 35.0 kDa