

Product datasheet for **VC101703**

ORF66 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF66 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF66
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 VC101703 represents NCBI reference of YP_001129423 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTGGACCAGCGCTGGGACAGATTTCTGGTCTCTTGGTTTCGGTTGGATGAAGCAGACTGACCG
 CCCATCGCGTGTTTGAGGGCGAGAACGGGGTCCCGTGGAGGAATATGTCGCATTTGTCATTTTCGGGGA
 AAGAGGTTTCCAGGGTAACATGCCTTCTTGGGCTCGCCACCTCCTTGATCGACCTAGCCTGGCCAGGCC
 ATTGCAGTTCTTCGCGCAGGGTCAGATACGGTCGCAAAGCAAGCCAGATTTGCGCAGCCAGCAGTTGT
 TGGGTGCACATGTATGGGTAGTTGTCACTCTGAGCCGAGCCAGGCTGCTGACCATGCCCGCAATTCC
 CAGACATGTATGGGCGAAGTACCTGTCCCTCCATTCTCAAAGCCTGTGCTCAGTTGTGCAAGTTGCTG
 GCCCTGTGTTCCAGTTCCTCCCTGGTGACTTGTGACGAAACCTCCACCGAGCTTGCTTGGCTCAGGA
 AAAAGTGGCAGCGCCCTCCCGGAGACCTCTGTTGGAAGTCCCGTCCCCACAAGACCGGAGTTCGC
 CGCCACGAGGATGGGAATGGTCTGGGGATTGGGGCAGCCGACACCGGGCTGCGAGAGGCCCTGGAGAGA
 GTCGCACCCACCGTTCCATGTGGGAACCTTTTATGCCATGCTTGGTAGCCTGTGCTTCTGAGCCTCA
 TAAAGAGCCGACAGTGGTGTGCTGCTTGCAGCAGGAAGTCTGGACTCGTGCGGAATCTGGGTAG
 GAGATTGCTTGCATACAACGTGCTGTCACCATGTGTTTCTATCCCTGTTATTTGCAGCAGAGTGGCCCGC
 GCCGACTGGCAAAGCGGGCCAGATGCGCGCGCTGTGCTGTGTATGGAGTGTGGTTCATTGCCTCAACT
 TCGGTCCGGGAAAATCCACACCGTCAACTTCCGCCTACCAACGTCTTCTTCTAGGGACAGGAAGGA
 GAAGCAGTTCACCATCTGCGCTACTACCGCAGAATTTACTGCTTACTGTGGTCCGAGCATATGCGG
 GTGTATCCGCTTTGCGATATCACTGGGCGGGGACACTGGCCCGGTGGTATTAGAGCAGTCTCTGGCAA
 ATAATGCTGCTCTGGCTATTAGAGACTGGACCAGACCGTGTCAATTTGTGGTCCCATGCCTGGGCACCCC
 CGATTGTGAAGCTGCCCTCCTGAAGCACCGGGATGTGAGAGGTCTGCTGCAGCTCACCTCACAAGTCTT
 GAGTTCTGCTGTGGGAAGTGTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101703 representing YP_001129423
 Red=Cloning sites Green=Tags

MALDQRWDRFLVSWFGLDEAQLTAHRVFEENGVPVEEYVAFVIFGERGFQGNMPSWARHLLDRPSLAQA
 IAVLRAGSDTVAKQAQICAAQQLLGAHVWVVVTL SRAQAADHARAIPRHVWAKYLSL PFSKACAQLCKLL
 ALCSRFLVLTCCSKPPPSLPWLRKKWHGPLPRRPLLEVPSPTRRGVAATEDGNLGI GAADTGLREALER
 VAPTVPNGPFDAMLGSLCFLSLIKSRHVLPACEQEGPLVRNLGRLLAYNVLSPCVSI PVICSRVAR
 AALAKRARCARAVVCMCEGHCLNFRGRKFHTVNFPTNVFFSRDRKEKQFTICATTGRIYCSYCGSEHMR
 VYPLCDITGRGTLARVVIRAVLANNAALAIRDLQTVSFVVPCLGTPDCEAALLKHRDVRGLLQLTSQLL
 EFCCGKCSS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_009333

ORF Size: 1287 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_001129423](#)

RefSeq ORF: 1287 bp

Locus ID: 4961523

UniProt ID: [Q2HR82](#)

MW: 47.0 kDa