

Product datasheet for **VC101698**

ORF61 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF61 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF61
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 VC101698 represents NCBI reference of YP_001129418 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCGTCGGACCTTTTGTCCAGTGCACCTTGGGAGCTGCCCTCCGGAAAGACGGGGTCCCAAGTCT
CTGCAGGACAATTGTCCGATTTTGTATGTGTGCACAGTCCCTGATAGACTTCCTGAAAGTAAAGAGTCGG
CTGGGACGTCGGGCCAACCGGATGGCAGGGAGACTGTGGCACCAGATCATGGAAGCTCGGTGTCCTGCA
ACATTGAAGCAGTATCTTGAATCTTCCGAGGGGTCTTGGACACCGGGTCGAGAGTTTTATTAGAAAA
ATATCGACGCCCTGGAGGACATGCTCTGTGCTACCGCCGAAGCAAGGCCTACGAGGACACCCTGAAGT
CGGATATCTTAGTGCAGTGCCTGTATGATACATACGTCCTGCGCACAATGGGACCGAACCCGTATAT
GAATCTGTGGCCAAATGTTTATGAGGGTTAGCGTCTTCTGTCGCTGTCAGTGTCTCGAACACGAGTGT
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ATCATGACATGTCTCTCTGCTGGCAAGCAAGAGCGGGTGGGCCTGGACGTAACCTAGCTTCTCTACCA
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TGCAGTGCAGTGCCTGCTGGTATTAAACGCTGTATTCTGGCGGCAGTACCCACACCTGGCGTT
GAAAGGGGGCAAAGGAACGGTCAATGGGTATTGGCGTCAAGGACTGGCGGACGATTTTGTGAGCTGG
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CTGCCGGTCTAAGAACCAGAGGAAGAGTCTGTGCAGCAGACCCGAATGTCTGGTGTGCCAG

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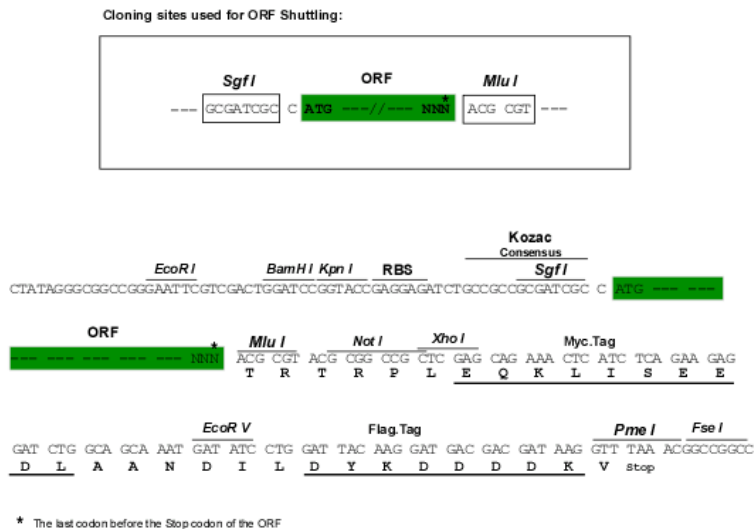
Protein Sequence: >VC101698 representing YP_001129418
Red=Cloning sites Green=Tags

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MSVRTFCQVHLGAVPPERGRSQVSAGQLSDFDMCAQSLIDFLKVRVGVWDVRANAMAGRLWHQIMEARCPA
TLKQYLGI FRGVLGHRVESFIQKNIDALEDMLCAYRRSKAYEDTLNCGYLSAVRLYDTYVLRMTMGTEPVY
ESVAQMFMRVSVFVACQCLEHECLYWLARDLIEDAKSVSEMAIVEYVFGYLAHQHVCCATPILRSAGVEG
GQLASCFILQPSMMNEPGTLDALYHDMSPLLASKSGVGLDVTFSHQKNIASCLKLVDVAVHYFNDNNIR
PVGASAYMELWHSQICDFLNAKL PENPDRCHSLFQGVCIPTLFFRMYEKDPSKLYLWLFDPATAPNLIKLY
GAAFDNEYERLVRAGKYVSCMPLKSMFTLIHTIIKTGSPYVLLKEALNEHHWTD TQGM AINC SNLCAEI
VQLPGRNTSVCNLANICLPKCLRTVESARVGT TDANRPF CFEALGDAVRVAVLVINACILGGSHPTPGV
ERGQKERSMGIGVQGLADVFAELGYGLDAESAELDKNIFQSMYYTAVETSHNLVLEGGQVFPFHGWEVSN
FAKGRFHWTWEGEDASFVPRHRWDALGKSI AEHGI FNSQFLAVMPTAGTSQVTGYAESVYPPFANISSK
VTNKEEVL RPNVTF FKKVLPDDL R VVRQYGGDVSTFPKHHRERYR VFLTAFDYCPFKLLDRARARAPFVD
QSQSMSFFLKEDRV RNASYLRDLLLHG YRLGLKTLMY YCRVQKQSSLTALQCLADPGSPPHSGMKQDGAW
LPGPKNPEEESCAADPECLVCQ
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TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 2376 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_001129418](#)

RefSeq ORF: 2376 bp

Locus ID: 4961490

UniProt ID: [Q2HR82](#)

MW: 88.8 kDa