

Product datasheet for **VC101002**

ORF61 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF61 (NC_001348) 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 VC101002 represents NCBI reference of NP_040183 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACACAATTCTGGCCGGAGGTAGTGGAACTCTGATGCATCAGATAACACCTGTACCATTTGTATGA
 GCACCGTATCTGATCTTGCCAAAACCATGCCCTGCCTTACGATTTCTGTTTTGTGTATTTCGCGCCTG
 GACATCCACTTCCGTCCAGTGTCTCTGTGCCGTGCCAGTTCAGTCCATACTGCATAAGATCGTGAGC
 GACACATCTACAAGAGTACGAGGTGCATCCTTCTGACGACGATGGCTTTAGCGAACCAAGTTTTGAGG
 ACTCTATTGACATACTCCCGGAGATGCATCGATCTGCTTCTCCAGTCCAGGACCGTCTCGGGAGAG
 CATCCAGCAGCCGACGTCAAGGAGCTCACGGGAGCCAATCCAGAGCCCAATCCTGGACCCCTGCAAAGT
 TCTGCCCGGGAGCAACCGGGAGTCTCCATCAGATAGCCAGCAGGATAGCATTACGCTCCAACCTCGGG
 ATTCTAGCCAGGGGTGACAAAGACATGTAGCACCGCTAGCTTTCTCAGAAAGGTCTTTTAAAGGATCA
 GCCAGCGGTGAGATCAGCAACTCCTGTGGTGTATGGGTCTATTGAGAGCGCACAGCAGCCAAGAAGCGGC
 GGGCAGGACTACCGCGACCGGCCGTGAGTGTGGGCATTAATCAAGATCCACGGACCATGGATAGGCTGC
 CGTTCGGGCTACAGACCGAGGGACTGAAGGCAACGCTCGCTTCCCATGTTATATGCAGCCACTGTTGGG
 GTGGCTCGACGATCAACTGGCTGAGCTGTACCAGCCTGAAATCGTGGAGCCTACCAAAATGTCTGATACTG
 AACTACATCGGCATATACGGCCGCGATGAGGCCGACTCAAGACAAGCCTGAGGTGCCTGCTTACAGATT
 CCACAGTCCGTTTCGTGACTAATATGCTGTTCTCCTGGACCGATGCACCGATCCTACCAGACTGACAA
 GCAGACTTGGACTTGAAGGATACTGCCATCCAAGTATCACGGGACCCATTGTTAGGCCAGAAAACACC
 AGTACTGGTGAAGTACCGGGGAGACGAACGGGATACCCGCTTGTTAATACCCCCAGAAAAGTTCGCC
 TCTTCAGCGTTCTGCCGGGATCAAACCGGGAGCGCACGGCGCCAAACGGAGGCTGTTTCACACCGG
 GCGCGACGTGAAACGGTGCCTCACGATAGACCTGACCAGTGAATCTGATAGCGCATGCAAAGGCAGTAAA
 ACACGGAAGTGGCGAGTCCCAGGGTGAATCCAACCCCATCCACGAGTGGAAGCACCTCCGGATCCC
 TGAACACCTGACCAAGAAGTCTTCTGCTGGCAAGGCTGGCAAAGGCATTCCAATAAGATGAAGAAGTC
 T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101002 representing NP_040183
 Red=Cloning sites Green=Tags

MDTILAGSGTSDASDNTCTICMSTVSDLGKTMPLHDFCFVICIRAWTSTSVQCPLCRCPVQSILHKIVS
 DTSYKEYEVHPSDDDFSEPSFEDSIDILPGDVIDLLPPSPGPSRESIQQPTSRSSREPIQSPNPGPLQS
 SAREPTAESPDSQQDSIQPPTRDSSPGVTKTCSTASFLRKVFFKDQPAVRSATPVVYGSIESAQQPRTG
 GQDYRDRPVSVGINQDPRMDRLPFRATDRGTEGNARFPCYMQPLLGLWDDQLAELYQPEIVEPTKMLIL
 NYIGIYGRDEAGLKTSLRCLLDSTGPFVTNMLFLLDRCTDPTRLTMQWTWKDTAIQLITGPIVRPETT
 STGETSRGDERTRLVNTQPQVRLFVSLPGIKPGSARGAKRRLFHTGRDVKRCLTIDLTSSESDSACKGSK
 TRKVASPQGESNTPSTSGSTSGSLKHLTKKSSAGKAGKIPNKMKKS

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_001348

ORF Size: 1401 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_040183](#)

RefSeq ORF: 1401 bp

Locus ID: 1487698

UniProt ID: [P09310](#)

MW: 50.9 kDa