

Product datasheet for VC101000

ORF59 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF59 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101000 represents NCBI reference of NP_040181 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGTTTCCGGTGAACCGACTGTGTGTAGCAATGCATATGCCAATGAGATGAAGCTCTCTGACAGTA
AGGACATCTACGTTCTTGCCCATCCAGTGACCAAGAAAACCAGAAAGAGGCCAAGAGGGCTGCCTTTGGG
AGTCAAGCTGGATCCACCGACCTCAAGCTCAACAACATGAGCCATCACTATGACACTGAGACATTTACT
CCAGTCAGCAGCCAGCTCGACAGTGTGGAAGTGTTCAGCAAATTTAACATTTCTCCTGAGTGGTACGATC
TCCTGAGTGACGAACTTAAAGAACCATATGCAAAGGCATATTTCTGGAATACAACCGACTGCTGAACAG
TGGCGAGGAGATTCTTCCTTCCACCGGCGACATCTTCGCCTGGACCAGGTTTTGCGGGCCTCAGAGTATA
AGGGTGGTCATTATCGGGCAGGACCCCTTATCCTACCGCTGGACACGCCACGGGCTGGCGTTTTCTGTTA
AGCGCGGAATCACCCACCTTCTCTGAAGAATATCTTCGCCGATTGATGGAGTCTTACCCCAACAT
GACTCCTCCAACCCATGGATGCCTTGAGTCTTGGGCTAGGCAAGGGTTCTCCTGCTGAACACCACACTC
ACCGTGCGGAGAGGCACCCCTGGCAGCCATGTTTACTTGGGATGGGACGCTTGGTGCAGAGAGTGTCTGC
AGAGGCTGTGTAAAACCGGACCGGCTTGGTGTATGCTCTGGGAGCCCACGCTCAGAAGACAACCCA
ACCTAACTCCCGATGTCATTTGGTGTGACTCAGCCACCCAAGTCTCTGTCAGAGTCCCTTCAGA
AACTGTAGACACTTCGTGCAGGCCAATGAGTATTTACACGCAAGGGGAGCCCCGAAATAGACTGGTCAG
TTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101000 representing NP_040181
Red=Cloning sites Green=Tags

MDVSGEPTVCSNAYANEMKLSDSKDIYVLAHPVTKKTRKRPRGLPLGVKLDPPTFKLNNMSHHYDTETFT
 PVSSQLDSVEVFSKFNISPEWYDLLSDELKEYAKGIFLEYNRLNLSGEEILPSTGDIFAWTRFCGPQSI
 RVVIIGQDPYPTAGHAHGLAFSVKRGITPPSSLKNIFAALMESYPNMTPTPTHGCLSWARQGVLLNNTLL
 TVRRGTPGSHVYLGWGRLVQRVLQRLCENRTGLVFMLWGAHAQKTTQPNSRCHLVLTHAHPSPLSRVPPFR
 NCRHFVQANEYFTRKGEPEIDWSVI

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_001348

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_001348.1](#), [NP_040181](#)

RefSeq ORF: 915 bp

Locus ID: 1487691

UniProt ID: [P09310](#)

MW: 34.4 kDa