

Product datasheet for **VC101690**

ORF57 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF57 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF57
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 VC101690 represents NCBI reference of YP_001129410 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGGTCCAGGCAATGATCGACATGGATATTATGAAAGGGATTTTGGAGGACAGCGTGTCTTCTCCGAGT
 TTGACGAAAGCCGAGACGATGAAACTGATGCTCCAACACTGGAGGACGAGCAACTGTCCGAGCCCGCTGA
 ACCCCCTCGAGATGAAAGAATCAGAGGCACTCAGTCAGCACAGGGAATACCCCTCTCTGGGTAGAATT
 CCAAAGAAGTCCCAGGGCCGGTCACTGAGAAAGCGAAATACAATTCTGTTCCCTCTGTCCAGGCCTC
 GCAGCCGCTCTCCGGTCAATAGGTATGGCAAGAAAATTAAGTTCGGAACGGCTGGCCAGAATAACAAGACC
 TCCCCCTGAGAAACGGCCAGACGGAGACCTAGAGATAGGCTCCAGTATGGGAGAACAACAGAGGCGGA
 CAGTGTCCGGCTGCACCTAAACGCGCACCCGCCGCCCTCAGGTCAATTGTCAACGCCAGGACGACGACG
 TGAGACAGGGCGTGTCTGACGCCGTTAAAAACTGCGACTGCCCGGAGTATGATCATTGATGGTGAGAG
 TCACGCTTTGACGACTCCATAATCCCTCGGCACCACGGCGCCTGTTTTAACGATTCATCCCTGCGCCT
 CCCTCTCACGTGCCTGAGGTGTTACCGATAGGGACATAACCGCCCTGATACGAGCTGGTGGGAAGGACG
 ATGAGCTCATCAATAAGAAAATTAGCGCAAAAAGATTGATCATCTCCACCGACAGATGCTCTCATTGT
 TACCAGCCGGCATAACCAGGCGTACTGGGTATCATGCAGGCGGGAGACCGCAGCCGCTGGCGGCCTGCAA
 ACTCTGGGGCCCTTTGTGAAGAGCAATGACCTGGGCTCAAACCGTCTGAGGCATGGAGGGTGGTTTG
 ATGAGAAGGATATCGATATCATACTTGATACCGCTATATTTGTTGTAACGCCTTTGTAACCTCGGTTTCA
 GCTCTTGATCTGAGTTGCGTGTGACAAGCAGTCAGAACTTGCTCTGATTAACAGGTTGCGTATCTC
 GTGGCTATGGGGAACCGACTGGTGAAGCTTGTAACTGCTGGGCGAAGTTAACTGAATTTAGAGGGG
 GCCTGCTGCTGGCCTTCGTCCTTACCATACCTGGGATGCAATCCAGACGATCTATATCTGCTCGCGGACA
 GGAGCTTTTTCGCACGCTGTTGGAGTATTATCGACCCGGGATGTTATGGCCTCTTGAACGTGATCGTG
 ATGGAGCATATTCTCTGTGTCGCAACTCTGAGTGCCTGCCGCCAGAGGGCCGCATGGGATCCGCCA
 AGTTCAACAAGGGATTGTTCTTTATCCACTGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101690 representing YP_001129410

Red=Cloning sites Green=Tags

MVQAMIDMDIMKGILEDVSSEFDESRRDETDAPLLEDEQLSEPAEPPADERIRGTQSAQGIPPLGRI
 PKKSQGRSQRSEIQFCSPLSRPRSPVNRVYKIKFAGQNTTRPPPEKRPRRRPRDRLQYGRTRGG
 QCRAAPKRATRRPQVNCQRQDDVVRQGVSDAVKKLRPLASMIIDGESPRFDDSIIPRHHGACFNVP
 PSHVPEVFTDRDITALIRAGGKDELINKKISAKKIDHLHRQMLSFVTSRHNQAYWVSCRRETAAGGLQ
 TLGAFVEEQMTWAQTVVRHGGWFDEKDIDILDTAIFVCNAFVTRFRLHLSCVFDKQSELALIKQVAYL
 VAMGNRLVEACNLLGEVKLNFRGGLLAFVLTIPGMQSRRSISARGQELFRTLLEYRPGDVMGLLNVI
 MEHSLCRNSECAAATRAAMGSAKFNKGLFFYPPLS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NC_009333

ORF Size: 1365 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_001129410](#)

RefSeq ORF: 1365 bp

Locus ID: 4961525

UniProt ID: [Q2HR82](#)

MW: 51.0 kDa