

Product datasheet for **VC101665**

ORF32 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF32 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF32
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 VC101665 represents NCBI reference of YP_001129385 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGCACACGCCATAAATGAGAGATACGTTGGCCCCAGATGTCACCGGCTTGCCCATGTCGTTCTCC
 CCAGAACTTTTCTTCTTACCACGCCATACCCCTGGAGCCGAGATTATCTTTTCAACATATACAAGGTT
 TAGCAGGAGCCCAGGTAGTTACACGGAGGCTTGTGGTATGCGGCAAGCGGGTATTGCCCGGGGAAGAGAAC
 CAGCTGGCCTCATCCCCCTCAGGACTGGCCCTGAGCCTTCCCCTTTTCTCTCACGATGGGAATTTTACC
 CTTTTGATATCTCCGTGCTGCGCATAAGCTGTCTGGAAGCAACCTTTTGTGACGGTTCGCTTCTGTGA
 CTTGAGTCTCGTCGCTATGGGTGCTGGCAGAAATAACGCACGAAGTCCAACCGTGGATGGGGTAAGC
 CCTCTGAGGGTGCCGTCGCTCATCCGCTCGAAGAACTGCAGCGGCTGGCGGGGCCACACCAGATCCAG
 CCCTTACCGCGGCCACTGCAAGTCTGACAGGTTTGTCCGAGCAGGCTCAGACGGCGATCGAGCTAC
 TACCACATGGCTCTCGAAGCACCCGGCAGGTCGAGGGCGAAAGTCTGGATCCCCCAGTTTACAGAAA
 GGACCAGCTAGAACCCGGCACCCGCCCCCGGTTTCGTTGTCATTCAATCCTGTGAACCCGACGTGC
 CCGCCACTTGAGAGATGCTACCAACGTGTATAGCGGAGCCCCCTACTATGTCTGCGTGTATGAGCGGGG
 TGGGCGGCAGGAAGATGATTGGCTCCCGATCCCACTCAGCTTCCCTGAAGAACAGTGCCACCTCCCCCT
 GGGCTCGTGTTCATGGACGACCTGTTTATCAATACAAAGCAGTGCGACTTTGTGATACTCTGGAAGCTG
 CCTGCAGAACACAGGGATATACCTTGGCGCAGCGCTCCAGTTGCCATCCCACGGGACGCCGAAATCGC
 AGATGCCGTTAAAAGCCACTTTCTCGAAGCTTGCCTCGTGTGCTGCGCGGGCTGGCATCCGAAGCTTCTGCA
 TGGATACGCGCTGCCACTTCTCCCCACTGGGACGGCACGCATGTTGGATGGACGTGCTGGGCCTGTGGG
 AAAGCAGACCCCATACTCTCGGGCTTGAAGTGCAGCGAGTGAAGTGTGGAGGCACAGACGGAGATTGGTT
 GGAAATCCTCAAACAGCCAGACGTCCAAAAGACGGTGAAGCGGCTCCCTGGTGGCATGCGTATAGTACAG
 CCTGCGTTGGAGGCTGGCTTGTGCTGCTGGCGGCTTCGCAATCAAGGGTAGATATAGACGAAGCAAGG
 AAGACCTCGTATTTATCCGGGGGAGATATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101665 representing YP_001129385
 Red=Cloning sites Green=Tags

MDAHAINERYVGPCHRLAHVVLPRTFLLHHAIPLEPEIIFSTYTRFSRSPGSSRRLVVCGRVLPGEEN
 QLASSPSGLALSPLFSDGNFHPFDISVLRISCPGSNLSLTVRFLYLSLVVAMGAGRNNARSPTVDGVS
 PPEGAVAHPLEELQRLARATPDPALTRGPLQVLTGLLRAGSDGDRATHHMALEAPGTVRGESLDPPVSQK
 GPARTRRHPPVRLSFNPVNADVPATWRDATNVYSGAPYYVCVYERGGQEDDWLPIPLSFPEEPVPPPP
 GLVFMDDLFINTKQCDFVDTLEAACRTQGYTLRQRVPAIPRAEIAADAVKSHFLEACLVLRLASEASA
 WIRAATSPPLGRHACWMDVGLWESRPHLGLLELRGVNCGGTDGDWLEILKQPDVQKTVSGSLVACVIVT
 PALEAWLVLPGGFAIKGRYRASKEDLVFIRGRYG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NC_009333

ORF Size: 1362 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_001129385](#)
RefSeq ORF: 1362 bp

Locus ID: 4961479

UniProt ID: [Q2HR82](#)
MW: 49.5 kDa