

Product datasheet for **VC100948**

ORF8 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF8 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100948 represents NCBI reference of NP_040131 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGAGGCCGTGATCGATCCGATTCTGGAGACAGCAGTCAATACCGGAGACATGTTTTGCAGCCAAA
CCATTCCTAATAGATGTCTCAAGGACACAATCCTGATTGAAGTTCAGCCCGAGTGCAGACACCCCTTCA
GTGTGTCCTCGATGACAAGGTGACCCGGCATCAACCGCTGCTGCTCAGAAATCATAAGAAGCTGGAGTTG
CCATCAGAGAAAATCAGTGACCCCGGGGTTTTCTACATGCAGCAGCTCGAACTCCTCGTCAAATCCGCC
CCCCCAATGAATACGCACTGCTGCTCATCCAGTGCAAAGATACTGCATTGGCAGACGAAGACAATCTTT
TGTGGCTAATGGGGTCATTGATGCTGGATACCGAGGTGTCATTAGCGCGCTCTTGTATTACAGGCCAGGG
GTCACGGTTATCTTGCCCGGCATCTGACTATCTACCTTTTTCTGTTAACTGAGGCAGAGCAGACTGT
TGCCAAAAATGTGTTGAAGCATCTGGACCCGATATTTAAAAGTATCCAGGTGCAGCCACTTTCCAACTC
CCCTAGCAACTACGAAAAACCGGTATCCCTGAGTTTGTGATATCAGTACTGTGCAGCAGGGACAGCCG
CTGCACCCGGGACAGTGCCGAGTATCACATCGATGTACCCCTGACCTACAAGCATATTATTAACCCAAAA
GACAAGAGGACCGCGTTATGACATTTGCGTTCCTTATAACCTCTATTTGAAACGAAACGAGTTCATCAA
AATTGTGCTCCCGATCATTAGAGATTGGGATCTGCAGCACCAAGCATCAACGCATATATCTTTGGGAGA
TCTTCTAAGTCCCGATCCGGTATCATCGTGTGCCAACCAGCATGGCCCGCAGGCGAACATTGCAAGTTTT
ATGTGTACAACCTCACCGCGCAGCAGATCCGGATTAAGACAGGAGATAGACTGGCCCAAGTCCCTCAT
AGATCACAATACTCAAATTCACCTGAAGCATAACGTTCTTTCCAATATCGCTTTTCCCTATGCTATCAGA
GGCAAGTGTGGCATCCCTGGAGTGCAAGTGGTACTTTACCAAGACTGGACTTGATCGCTACCCCTCTG
AAAGAGGGACTCGCGCTTTGGCTCAACAGACAAGGAACTAACGACGTTGATTTTCTGCTGAAACAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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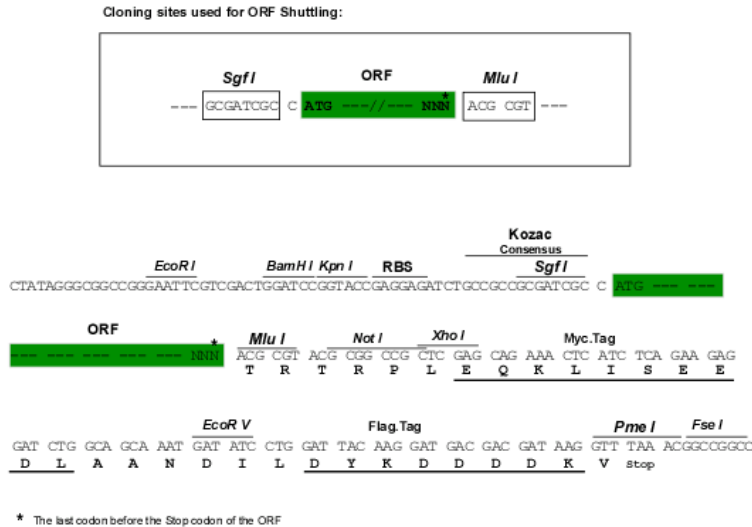
Protein Sequence: >VC100948 representing NP_040131
Red=Cloning sites Green=Tags

MNEAVIDPILETAVNTGDMFCSQTIPNRCLKDTILIEVQPECADTLQCVLDDKVSRRHQPLLRNHHKLEL
 PSEKSVTRGGFYMQLELLVKSAPPNEYALLLIQCKDTALADEDNFFVANGVIDAGYRGVISALLYYRPG
 VTVILPGHLTIYLFVVKLRQSRLLPKNVLKHLDPIFKSIQVQPLSNPSNYEKPVIPEFADISTVQQGQP
 LHRDSAIEYHIDVPLTYKHIINPKRQEDAGYDICYVYNLYLKRNEFIKIVLPIIRDWDLQHP SINAYIFGR
 SSKSRSGIIVCPTAWPAGEHCKFYVYNLTGDDIRIKTGDRLAQVLLIDHNTQIHLKHNVLNIAFPYAIR
 GKCGIPGVQWYFTKLDLIATP SERGTRGFGSTDKETNDVDFLLKH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001348

ORF Size: 1188 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_040131](#)

RefSeq ORF: 1188 bp

Locus ID: 1487671

UniProt ID: [P09310](#)

MW: 44.8 kDa