

## Product datasheet for **VC102297**

### ORF007L (NC\_003494) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF007L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF007L
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 VC102297 represents NCBI reference of NP\_612229 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGCGGCCAGAGCTTTAATGGGGTTGACTGTGCTGAAAGCTGTGGCTAGGCCACCAGCAATA  
TCGCCAATAATACTAAATTGACAGCCGACAGCAGCCAGATCATTAAATATCTCCCATGTGAAGGGCGACGT  
AATAATCAAAGGAGTGACGATGGAGCAAACCGTTACGGTGAATTTGCAGGCTACCATGAAAGCGCTGGCG  
AATCAAGAGACTCAGCAGAAGTTCTGAATGACATGGCACAGCAGGCGGCCTCAGTAGTCAGCGGGATCA  
ACTTCGGCCAATACGCCCTCCGCCACTAATTCATCAAGCAATTTCTGTCTGTGACCTCTCGGATCGTCAA  
TAACATGACTTTGACCTGTAGCGCGAAGTGAACACCAAGCAGGTGATATCAGTCGATAATGTCACAGGA  
AATGTCGTTATTCAGGACTCTGTGCTGCGGATCTTCGTTTCTGCCCTCAGCCAGTGGTGCAGGACGCCA  
CAGCATCTCCTCTCAATGCAAGATGTGGTTAAACAAGCTCCAACAGCTCGCCACTGCAAAGGCTCAGGG  
AGTAGACCTCTGGCAGCTGGCTGCAAGTCTCGCAGGACTTCTGATCGGAATGCCGCTCGCTACTGGCTCC  
ATACTCGCAAGCGGGCGTTATAGGGATGGTCTGCTCGTGGCGGGATGGGCGTGGCGCGTACGCAT  
TCAAGTTCATGTGCCACAAGCCAAGGGCGCCGAGCCCTGGTGTACCCACATGCCGTGGCTCCATCCTC  
TCTGGATTCTGCTCAAAAGTTCACCGATGTGACCTGGATCAGGCAGTGGCTAAGCTGGCTCAGGGCCAA  
ATGGTATACTATGAGCGATATAAAGCAGATAGTGACGGAGCACCCGCACTGCTTCCCAAGGCCACTGCGT  
ATGTGATGCTGCCAGCTGCCGTTGTGGTGAAGCCATGATTCGCTATAAACTGAATCTCGCTACAGA  
TACTAAACCAGATCCCAAAGATAGTGAACAACGCAACCATGAAGCCCGGCGACGCCTACCTGCACTCC  
GAATCAGGAACATACTACGTTATGACTGAGGATGGTGGCAGCGGAGAGGTAAGGTCCAAGACGTTAAGC  
CCGACGTCCTGGGCGCCGGAAGAACTGGGTTGGGGACACGGCGGACCCCTGGACGGATATGATGTGTG  
GATCATGTTTTATTACGAAAGAAGCAGGCTGAACCATAACGTGCGGGTAAAAAGCCGACGGAACCTGG  
CAGGATGTGCCAGGGACTGAATATCGATACCGCCTTACCCCCAGAGATCCCAACACCACAGTCGTGG  
CAGGCATGCCCTGTGATACAACCGCCACCAATGTTGTATTGGCCACTGGGGGAACCATCGCTGCAGTGGG  
GCTGCTGGTGCTTCTCAGCGCTGGTTTTCAAAAAAGAATGAACCGGGACACATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102297 representing NP\_612229

Red=Cloning sites Green=Tags

MGAAQSFNGVDTVLKAVAEATSNIANNKLTADSSQIINISHVKGDVVIKGVMTMEQTVTVNLQATMKALA  
NQETQQKVLNDMAQQAASVVSGINFGQYASATNSIKQFLSVTSRIVNMTLTCSGEVNTKQVISVDNVTG  
NVVIQDSVLRIFVSALSQCVDATASSSSMQDVVNKLQQLATAKAQGVLDLWQLAAVLAGLLIGMPLATGS  
ILGKRGVIGMVLLVGGMGVAAYAFKFMCRQAKGAEPLVYPHAVAPSSLDSAQKFTDVTLDQAVAKLAQGG  
MYYERYKADSDGAPALLPKATAYVMPAQLPVVVKPMIRYKLNLATDTKPDPKDSGTTATMKPGDAYLHS  
ESGTYVMTEDEGWQRGKVQDVKPDVLAACKLWGHGGPLDGYDVWIMFYERSRLNHNVRVKKADGTW  
QDVPGLNIDTAFTPRDPNTTVVAGMPCDTTATNVVLTGGTIAAVGLLVLLSAGFQKKNEPGHI

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_003494

**ORF Size:** 1455 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\\_003494.1](#), [NP\\_612229](#)
**RefSeq ORF:** 1455 bp

**Locus ID:** 935346

**MW:** 51.5 kDa