

## Product datasheet for **VC102327**

### **ORF037L (NC\_003494) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ORF037L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF037L
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 VC102327 represents NCBI reference of NP\_612259 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGACGCAATAATACAGACGCTCACAGCCATGCAGTTCGAAGGACCACTCGCCGACCAGGCTCCCC  
 TGAACCCTGCTACCCGACCCTCCGGCTGTTTCCCAACCATTACCCGGTAGATAAGGATGCGGCTCCCC  
 GACAGAGATAGATCTGGATGTGGGCGACGTCTGCGGTGCAACCACGTCCCAACGAGGGGATACCAGCAG  
 GCTGTAACCCTGTGGGATACTAAGAAGCGGATGTTGATTGATATGACTCGGGACATGTCCATGGAGATGA  
 AACGGATATGGCAGACACATTATGATAACTTGCTCACGGACATCATATATGGCATTACCTCCCAGGACAA  
 AACTCAGTGGGCCCGGATGTTCAAGCCCGCAGTAGAGCCAATCAGCAGATGAGAGATAAAGTGGAGACC  
 CTGTTTCTCAAATCAATGAAGTCTCTGGCAGACCTATTCAGGAGTAGTAAAGACGAGAAGACCCCTTA  
 CAACTCATCGATGCCAATATACAGCCTTTCTGGCCTACGCGGAGCAGACCCTGACCCTGTGTTGGC  
 CAGTTTGTGCAAGAGTGTGGCCATGGCTAACCGCCATACCGGAACCAAGTCGCTTTGAAGCCTGG  
 GTGAGAGAAAATCTCTTCGCCATGCTCTACGTTACGTTGCGCGCGCTCAGAGCTGCCCTGGACACAGCCG  
 TTGACCAGCGAGCAGAACGGCTCCAGGCGATTAATGAGGAATACGAAGCCCTGAAGGGGACAGAGTCTGGA  
 TAACTATAATGCCCGGCACGCTGCATCCGTTAAGGCAGAACATGCTGACGAACAGACGCGCTGGCCGCG  
 AGAGCCGAGCAGCGGCAGTGGTGGGGTACCTTGAGACGACCCTCGCAAATATGGTGATGACAAATGTGA  
 CCCTCGCTGATGTGAAGCGGGCACTCTGGCCATGGCCCCGAGAGATCCTCTGCCTACCCGGACGGAGGC  
 TTATATGATGTGATGCCAGATTCAGGGCAAGTCCCTTCCAGCTCGTCTCCGGCGGGCGGAGCACCGCG  
 TCAATACAGTTTAAATATGACATCAGGCAGACACTATGTCTTCTACGCCAACATCTTCTCAACGCCCTGA  
 AACAGTCTTACACTGGCCGGACACAGACATGCTCCGCTTCAATGAACGTGGACCACGTGATGCTGTCTGC  
 ACATCAGTCCCCACTCTCAGAGAATATGACAATAAAATTTGTGCGGTGTTCCGTATGTTGCCAAGCGC  
 TCAGGCAGCACAGACCTGACCCTCGCCATTACTGGCGCTGACACTACCATGAATTTCCACAATGGCACCA  
 CTCTGGTGGTCATTTGTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102327 representing NP\_612259  
 Red=Cloning sites Green=Tags

MVDAI IQTLTAMQFEGPVADQAPLNPA TRPSGLFPHYPVDKDAAPPEIDL DVGDVCGATTSPRGDTST  
 AVTLWDTKKRMLIDMTRDMSMEMKRIWQTHYDNL TDIIYGITSDKQTQWAADVQARSANQQMRDKLRT  
 LV PQINELLWQYSGVVKDEKTLTQLIDAQYTAFLAYAEQTLTTVLAQFVARVLANRNPYRNPVAFEAW  
 VRENLFAMLYVHVARVRAALDVAVDQRAERLQAINEEYEA LKGQSLDNYNARHAASVKA EHADEQTRLAA  
 RAEHA AVVGYLETTLAKYGDDNVTLADVKRALLAMAPRDPLPTRTEAYMYVMPDSGASPFQLVSGGRSTA  
 SIQFNMTSGRHVYFYANIFFNALKQSYTGRTQTCSASLNVDHVMLSAHQVPTLREYDNINLCGVPPYAKR  
 SGSTDLTLAITGADTTMNFHNGTTLVVICF

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NC\_003494

**ORF Size:** 1350 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\\_612259](#)
**RefSeq ORF:** 1350 bp

**Locus ID:** 935298

**MW:** 50.1 kDa