

## Product datasheet for VC102356

### ORF066L (NC\_003494) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF066L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF066L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102356 represents NCBI reference of NP_612288 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTGGGGGCACCCCAACAGTGGTGTACCATGGACGATTTGTTCCATGTAGTATCTGTCTTACTA  
CCATGACGAATGTAGCTATTACTCCCTGTGGTCATCTTTCTGTATGAGCTGCTATATGACCAACCTGGC  
ACACAGCCCCAGATGCGCCATCTGCAGGAAGCCGTACCACGGAAGTTGGACCGGGTGCCTGTTCTTGAT  
AGTATGATAGCCACCGCGTTCGAATCGTGAAGACAGCATTGGCAATGCACGCACTAGCATGACATCAC  
TGCAAAACGCTCGGACCCAAATCGACCACATGACAGTCACAATAACCCAGCTGGGACGCCAACAGGAGGA  
AATGGCGAAAGTGCAGGCAGAACATCGGAACGCTATTGAGGAGTGAATTCTCTTAGAGACGCACTCGCA  
GCCGCCATAATGATATGGTGGCTTCAGGAGAGGTGTACCACCGTGCAGGCTGAGCTTGTGACTCTCC  
ACGTCCACTGTGCCAGCTTGGAGAACACTAATGCTCTGGCATGCTGCACAAACAGATCGCTGAAGAGAG  
GGCGTCACAGGCAAAACCGAAAGTATCTCGCCATGGCTCGCCAGATGCGCGAGATGGGACGACTGAAGAAG  
CGGTACGCAAGGCTCCAGGACAGGTTCAAGGCTGTGACGATGGAGCTGGAATGTGTGGTTTGCAGGACT  
GCAGGCCACCGCCATGACGGCTGCCTCGTGTGCGAAGTGCCAAAGACGTGACCCAGTTGAGAGC  
TGATTATAATCATATGAACCTCAATTATGTATGCACTCAGTCCAGCTCGACCGGATGGTGTGCGCCAG  
TGCCAGGCCATGGATACACATCAGGGATGCCTGGTCTGCGACGCGCATGCCAGCCAGCAGCCGAGGTGG  
ATAGACTGACCCGCGATAACACTACAATGGCAACGGACCTGACCCGAGCCAGACCGAAGTGAACGACCT  
GTCCTGCGCCACAACGCGTCTCAGACGCTGTGCACACACTGTGGTGTGCAATGTACGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102356 representing NP\_612288  
Red=Cloning sites Green=Tags

MTGGTPNSGVTMDDLFPCSI~~CL~~TTMTNVAITPCGHLFCMSCYMTNLAHSPRCAICRKPVPRKLD~~RV~~PVLD  
 SMIATAVRIVQDSIGNARTSMTSLQNARTQIDHMTVTITQLGRQQEEMAKVQAEHRNAIEECNSLRDALA  
 AAHNDM~~VRL~~QERCTTVQAELESLHVHCASLENTNALGMLHKQIAEERASQANRKYLAMARQMREMGRLKK  
 RYARLQDRFRAVTMELECVVCEDCRPTTAHDGCLVCEVRKDVTQLRADYNHMNLNYVCTQVQLDRMVCAQ  
 CQAMDTHQGCLVCD~~AHAS~~QQA~~EV~~DRLTRDNTT~~MAT~~DLTRAQTEVNDLSLRHNAVSDAVHTLWCAMYD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_003494

**ORF Size:** 1041 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\_612288  
RefSeq ORF: 1041 bp  
Locus ID: 935372  
MW: 39.0 kDa