

Product datasheet for **VC102323**

ORF033L (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF033L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF033L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102323 represents NCBI reference of NP_612255 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCTGACCACACTGAAGAAGCAACAACTGCTACTATGAAGCCACAGCCTTGTCGTCCTGCTGG
CAGCCGCGACCCCTCCTGAAAATGTCTATGGCACACGAGACAGCATTGAGCACATGCTGAAGAATCGCGC
TATGGACTGGCATAGCAAAGCAAAGAAAATTTAACGAAGTCCACAACGACCCAGGTAAAAATTTCAA
CCAGCTCAAGCCTTCATGTGCAAACCTCCAGCTCCTGGTTTGAAGTTACATGACGACACATATGGGC
ATAAAGGAAAGGCGATGGTGGTTGCTATGTGACTCAGTATCGCGACTCACTTAAACAAACCCGACAAGC
CACCGCCGAGCACCTCAATAAGAAGTGTATTATGTTGACGTGAAGGGTGCCGATTACAACGATTGCA
ATCCTGATGGACCTGCGGCACAGTTTCAGTATTCACAATGACAACGACGTGGCCGTTACATATAACGTGA
AGGGAGGGTATAAAGATGCTACAAAGAAAAGAGCTATCAGGGTGGACGCTTCAGGCATGAGGTATACTGA
TCAGCGGGTAACCATCCCACCACATGGAAGCACCTGGTATAAGGACGACTGGGGCGGCTGGCTAATAGA
CCCGACGGATTTGCTCCATGAGTCCCATGATGACACTGCCTTATGCATCCTGGCACAGACCCCGCTTCC
ACGTGCCCCAGTACTCTGAATAAAAAGGTGTTCCCTGTAAAGCCACGCTGATGTATGACGATGAGCA
CTATAATAGATTTCTGGAGACACTTCGAAGATCGCCGAAAGATGTGTCTGTATGAACCCACAGACA
CTCCCAAGCAGCATCAAAAAGAAGGTGTCTCCTGTGGAAGTGAAGAGAACATGGCAGTGTATATCA
GCTACTGCCCCAAAGTTACTTGTGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC102323 representing NP_612255
Red=Cloning sites Green=Tags

MTLTTLKKQQTATMKPTALFVLLAAATLLKMSMAHETAFEHMLKNRAMDWSKAKKIFNEVHNDPGKNFK
 PAQAFMCKPSSSWFRTYMTTHMGHGKGMAMVAMCTQYRDSLKQTRQATAEHLNKKCYVVDYKADYNGFA
 ILMDLRHRFSIHNDNDVAVTYNVKGGYKDATKKRAIRVDASGMRYTDQRVTIPPHGSTWYKDDWGLANR
 PDGFCMSMPMTLPYASWHRPRFHVPQYTLNKKVFPCKATLMYDDEHYNRFLETHFEDRRKMCLYEPHQ
 LPSSIKKKVSSLWNCKENMAVYISYCPQSYLWQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 939 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_612255
RefSeq ORF: 939 bp
Locus ID: 935306
MW: 36.5 kDa