

Product datasheet for **VC102328**

ORFO38L (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORFO38L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORFO38L
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 VC102328 represents NCBI reference of NP_612260 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGTCTACCCGATGTCCATCTCAATCTTCCAGACGATGTGCCTGTGGCGTGGTTGAAGGATGTTG
 CCACTACAAGAGATGGAGTCCACGCAAATGTGGACGATGTGCTGACATCCCGCGAGTGGCGAAAAGTGAC
 AGGGGGGTTGAGAACCGTGAGCAATACTGTACAGCCCCTCACACCCCTCCCGTTGATGAACCGGAGGAC
 ATCCCGCCTCTGTTTTCTACCACCCAATACCGAAGTGGACACACACCACAGAATGCCACAAGACAATC
 CTCTCTATTCTGATAAAATTAACACATCAACGAACAGCTGGAGTATTTACACATCTGTGCAAGGCTAT
 TCACCCGCTTGTCCGATATGATATGGAGACAGCCTTCAACGCCCTGCTGACCTGGGTACAGGCTAATGTG
 CCCGCCGTCGGGACAAGACAGGCTGAGGTGGACGCTTCTGTGGGAAGGGTGAAGCAGGACGCTGAGACCT
 ACATCCGAGCAGTGGTGGCCAGGCGGGGTGACTTTTGTCAATTCGAAATCGCATAAAGGACGCGGA
 CCTTTTGTAGGTTAACCGCACAGGTATTCAAGATAGAGTCCCGCAGATGTCTGACCTGCTGATGCAGACT
 CTCTATAGGGTACTGGCTAATACCAACACCACCCCGTGTCTGACCCGCACCCGCTGATCGCACCTCCAC
 AGGCTGAAGCCGCCCGCAGGTTGGCAGCTTTGAAAGGTGTCTATGAGCAAGCGATGGATCGAGACCCGAC
 GGCCATGCAACTTGCCTATGACCGAGCCGTTGGGCACCTCGAGAACTCGTGAATGCACAGTTGCAGGGC
 ACTCAGTATGCAGCACAGTACGAGGCACGCCGATCCAAGCCGAGGCCGACGCTGCCCGGATTTCGAGCCG
 CCGTCGACGCCTGTGACCCCGGTCAACACCCACAGAAACGCTGGCTACATAAAGGCATCACAGATAAA
 CTCAACAGTCTCTCAAGCCGCGCATGGATGCCAATTAATAATATCTCTACGGAACCTTAAGTGGATT
 CACATGACAGTTGCCAAGGTCTTCGGAGATCTCCGAACATTCGAAAGTCTGTGATTTGCACATATACCC
 TTAAGCCTGGCGAGTGGAGAGAGGGCATGAAGTTCGTGATAGCTATCCATGGCACAAATTAGTATAAGTGC
 CGGAGACACAGCTGACAATGTGCCACAGTTTCAAAAACCTTCAACAGTTACGATGGAGTTGGACAGCGCG
 ATTGTCCATCGGAGGACTGTCCACGATTCAAAATCTATCGGACTGGCGTGTGTGCACTCACCTGCCAAGA
 AGATTTACAATGTGTACGTTTTCTCGAACACAGAGATCTGGCTTCCAGCCATGACTGTGATGAGATT
 GGAAAGAAAATTCCTACTGCGCACTCTTGATGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102328 representing NP_612260
 Red=Cloning sites Green=Tags

MDVSPDVHLNLPDDVPVAVLKDVAATTRDGVHANVDDVLTGREWRKVTGGLRTVSNTVQPLTPPPVDEPED
 IPPLFSYHPIPEVDTHHRMPQDNPLYSKIKHINEQLEYFTHLCKAIHPLVRYDMETAFNALLTWVQANV
 PAVGTRQAEVDASVGRVKQDAETYIRAVVAQAGVTFAQFANRIKDADLFEVNRTGIQDRVPQMSDLLMQT
 LYRVLANTNTTPVLDPHRVIAPPQAEAARRLAALKGVYEQAMDRDRTAMQLAYDRAVGHLEKLVNAQLQG
 TQYAAQYEARRIQAEADAAAIRAASVTRVNTHRNAGYIKASQINSTVSQAAAWMPINNILYGTPKWI
 HMTVAKVFGDLRTFGKSVICTYTLKPGEWREGMKFVIAIHGTISI SAGDTADNVHQFTKPSVTMELDSA
 IVHRRTVHDSKISGLACVHSPAKKIYNVYVFLEPQRSGLPAMTVMRLERKFHCALLMI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

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: 1434 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_612260](#)
RefSeq ORF: 1434 bp

Locus ID: 935296

MW: 53.3 kDa