

Product datasheet for **VC101938**

ORF L2 (NC_001354) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF L2 (NC_001354) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF L2
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 VC101938 represents NCBI reference of NP_040293 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGGCTAGGCAGCGGGTGAAGAGAGCAATCCAGAACAACCTGTATAAGACTTGCAAAGCGACAGGAG
 GAGACTGTCCACCGGATGTGATTAACGATATGAACAGACTACACCGGCCGATTCAATTCTGAAGTACGG
 GAGCGTGGGTGTGTTTTTGGTGGCCTGGGAATCGGCACAGGCCGGGGCGCGGGGGGACAGTGTGGGT
 GCAGGTGCCGTCGGAGGTAGACCTTCTATCTCCTCAGGAGCTATCGGCCACGCGACATCTTGCCATTG
 AGTCAGGCGGCCAAGCCTCGCCGAGGAAATACCGCTTCTCCCAATGGCCCTCGGGTCTAGACCGAC
 GGATCCTTTCAGGCCAGTGTCTGGAGGAACCTTTATTATCAGGCCCGGAAAGGCCAACATACTG
 CATGAGCAGCGCTTCTACTGACGCTGCTCTTTTGACAATGGCAACACTGAAATCACGACAATACCCA
 GCCAATATGATGTGAGCGGTGGAGGAGTGGATATCCAGATTATCGAGCTCCCAAGGTAAACGATCCAGG
 ACCGTCTGTAGTCACTAGGACGCAATACAATAATCCTACTTTTGAAGTAGAAGTGCCACCGACATTAGC
 GGAGAGACTTCAAGCACAGACAATATTATTGTCGGAGCCGAATCTGGCGGGACATCCGTTGGCGATAACG
 CTGAGCTGATCCCTCTCCTCGATATATCAAGAGGAGACACAATAGACACCACAATCCTCGCACCTGGAGA
 GGAAGAGACTGCCTTCGTTACCTCCACACCTGAGAGAGTCCCTATTAGGAGCGCCTGCCTATACGCCCC
 TATGGAAGGCAATACCAGCAGGTTCCGGTGACCGACCCGAGTTCCTCGACTCAGCAGCCGTGCTGGTCT
 CTCTGGAGAATCCTGTATTCGATGCCGACATTACACTCACATTCGAAGATGACCTCCAGCAGGCACTGAG
 GTCCGACACAGACCTGAGAGACGTAAGGAGGCTGAGTCGCCCCGATTATCAGAGGAGGACAACCTGGCCTT
 AGAGTGTCCCGCTTGGGACAGCGGAGAGGACAATCTCTACCAGAAGCGGTGTGCAGGTTGGTTCAGCCG
 CACACTTTTTTCCAAGATATTTACCAATAGGACAAGCTATCGAACCATTGACGCTATTGAACTGGATGT
 CCTTGGCGAACAGTCTGGCGAGGGGACAATTGTGCGCGGGGATCCAACCCCTCTATTGAGCAGGATATC
 GGACTCACTGCCCTGGGGACAATATCGAAATGAGCTGCAAGAGATCGATCTGCTGACAGCTGATGGGG
 AGGAAGACCAAGAGGGAAGGATTGTCAGTTGGTATTTAGCACCGGTAATGACGAGGTGGTCGATATCAT
 GACTATCCCTATTCGCGCCGGCGGGGATGACAGGCCCTCTGTGTTATTTTCTCAGACGATGGGACGCAC
 ATCGTATACCCTACCAGTACAACAGCAACTACGCCTCTGGTGCCCGCCCAACCATCTGATGTGCCCTACA
 TCGTCGTCGATCTGACTCTGGGTCAATGGATTACGATATCCACCCTCCCTCCTTAGGCGGAAGAGGAA
 AAAAGGAAGAGAGTTTACTTCTCCGACGCGAGAGTTGCGTCAAGACCTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101938 representing NP_040293
 Red=Cloning sites Green=Tags

MLARQVRKRNPEQLYKTCATGGDCPPDVIKRYEQTPADSILKYGSVGVFFGGLGIGTGRGGGTVLG
 AGAVGGRPSISSGAIGPRDILPIESGGPSLAEEIPLLPMAPRVPRPTDPFRPSVLEEPFIIRPPERPNIL
 HEQRFPDAAPFDNGNTEITTIPSQYDVSGGGVDIQUIELPSVNDPGPSVVTRTQYNNPTFEVEVSTDIS
 GETSSTDNIIVGAESGGTSVGDNAELIPLLDISRGTIDTTILAPGEEETAFTVSTPERVPIQERLPIRP
 YGRQYQQVRVTDPEFLDSA AVLVSLENPVFDADITLTFEDDLQQALRSDTDLRDVRRLSRPYYQRRTTGL
 RVSRLGQRRGTISTRSGVQVGSAAHFFQDISPIGQAIPIIDAIELDVLGEQSGEGTIVRGDPTPSIEQDI
 GLTALGDNIENELQEIDLLTADGEEDQEGRDLQLVFSTGNDEVVDIMTIPIRAGGDDRPSVFISSDDGTH
 IYVPTSTTATPLVPAQPSDVPYIVVDLYSGSMDYDIHPSLLRRKRKRKRKYVFSRGRVASRPK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001354

ORF Size: 1662 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_001354.1](#), [NP_040293](#)

RefSeq ORF: 1662 bp

Locus ID: 1489284

MW: 60.0 kDa