

Product datasheet for **VC101939**

ORF L1 (NC_001354) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF L1 (NC_001354) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF L1
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 VC101939 represents NCBI reference of NP_040294 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGACAGGGCTCCAGTACCTGTTCTCGTATGATGGCCCTGACATTGAGTATTCTGCTCGCACAGCAGC
 CCCACCTCACAGTTGTCTGCATAGCCCGCAATGTGTCCAACCTTCTTCTGACCTGCATCGTAGAGGT
 TTGGATTATGATTACATCCTGGCTTGTGTGCTGGGAACGTTAAGAACGCTAACGTCTTCATCTTTCAA
 ATGGCTGTGTGGCTGCCTGGCCCAATAGATTCTATCTGCCTCCGCAACCAATTCAGCGAACCTGAATA
 CCGAAGAGTATGTTTCGAGGACCTCCACTTTCTGTCATGCAGCTACAGACCGGCTTCTGACCGTTGGTCA
 CCCTTTCTATAACATCACAATGCTGACGGAAGGAGGTGGTGCCTAAAGTTAGTAGCAACCAAGTTTGA
 GCGTTTCGAGTTCGCTTCCCAACCCAAACACATTTCATTCTGCGATAAATCACTGTTCAACCTGACA
 AGGAGAGGCTGGTCTGGGAATCCGGGGTATTGAAGTGTCAAGAGGCCAGCCACTCGGTATCGGAGTGAC
 CGGAAATCCATTTTTTAATAAATTCGATGACGCCGAGAATCCTTACAATGGGATCAACAAAAATAATATA
 ACCGATCAGGGATCCGACTCAAGACTGTCTATAGCCTTTGATCCTAAGCAACGCAGCTCCTCATCGTGG
 GAGCTAAGCCCGCAAAAGGCGAGTATTGGGATGTGCGCGCAACATGCGAAAAATCCTCCCCTACCAAAGC
 CGATGATAAGTGCCCGCTCTGGAATGAAATCCAGCTACATTGAAGACGCTGACATGTCAGACATAGGG
 CTGGGCAACCTGAATTTTCCACTCTCCAGCGGAACAAAAGTGACGCACCATTTGGATATCGTGGATTCAA
 TTTGTAATATCCCGATTATCTTCAGATGATCGAGGAAGTACGGGGACCACATGTTCTTCTACGTTTCG
 GCGGGAAGCTCTCTATGCCAGACACATTATGCAGCAGCTGGTAAATGGACGCAGAGCAGTTCCCAACC
 AGTCTCTACATCGATTCCAGTGTGAGGGCGAAAAGCTCAACAGCCTCCAGCGGACTGATAGGTATTTCA
 TGACACCAAGCGGATCCCTGGTGGCTACCGAACAACAACGTGTTCAATAGGCCTTTTGGCTCCAGCGGAG
 CCAGGGACATAACAACGGCATTCTGTGGCACAACGAAGCTTTCTGACCTTGGTCGATACTACACGAGGT
 ACCAATTCTACTATATCAGTGCCTGAGGGGACGCTAGCAGCTACAACAATCCAAATCTTCAATTTTC
 TGCGCCCACTGAAGAGTTCCAATTGGCATTATTTCTTCAGCTGTGTAAGGTAGATCTGACGCCAGAGAA
 TCTCGCTACATACACCATGGATCCAGCATCATTGAGGACTGGCATCTGGCCGTGACATCCCGGCCA
 AATTCTGTGCTGGAGGACCATTACAGGTACATCTCTCTATAGCCACCAAGTGCCATCCAAAGATGCTG
 ATGATACAAGCACAGACCATATAAAGACCTGAAGTTCTGGGAAGTCGACCTGCGAGACAGGATGACGGA
 ACAGCTGGACAGACACCCCTTGGCGGAAGTTTCTGTTTCAAAGTGAATCACACAGAGTTCCTCTAAC
 AAGCGGTGAGTACTCAGTCCACCGCTCTACACCTATCGGAGGCCTACCAAGCGCCGAGAAAGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101939 representing NP_040294
 Red=Cloning sites Green=Tags

MTGLQYLFLAMMALTSILLAQQPPPHSCLHSPAMCPTLLTLCIVEVWIMIIYLACCAGNVKNANVFIFQ
 MAVWLPGNRFYLPQPPIQRTLNTTEYYVRRSTFLHAATDRLLTVGHFPYINITNADGKEVVPKVSSNQFR
 AFRVRFNPNTFAFCDKSLFNPDKERLVWGIRGIEVSRGQPLGIGVTGNPFFNKFDDAENPYNGINKNNI
 TDQGSDSLRIAFDPKQTQLLIVGAKPAKGEYWDVAATCENPPLTKADDKPALELKSSYIEDADMSDIG
 LGNLNFSTLQRNKSDAPLDIVDSICKYPDYLMIEELYGDHMFYVRRREALYARHIMQHAGKMDAEQFPT
 SLYIDSSVEGEKLNLSLQRTDRYFMTPSGSLVATEQQLFNRPFWLQRSQGHNNGILWHNEAFVTLVDTRG
 TNFTISVPEGDASSYNNKFFELRHTEEFQLAFILQLCKVDLTPENLAYIHTMDPSIIEDWHLAVTSPP
 NSVLEDHYRYILSIATKCPKADDTSTDYPYKDLKFWVDLDRMTEQLDQTPLGRKFLFQTGITQSSSN
 KRVSTQSTALTTYRRPTKRRRKA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001354

ORF Size: 1749 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_040294](#)

RefSeq ORF: 1749 bp

Locus ID: 1489283

MW: 66.3 kDa