

Product datasheet for **VC101876**

L1 (NC_014954) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_014954) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	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 VC101876 represents NCBI reference of YP_004169283 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGGCCATTGGTCAAGCAATGCTGGCAAAGTGTACCTCCACCTAGCGCTCCTGTGCGCCGAGTACTCA
 GAACTGATGAATACGTACAGGAACTGATGTGACTTCCACGCCTCTAGCGATCGGCTCCTGATAGTAGG
 CCATCCATACTATGACGTTGAATCCGACGGAAATGTGCAAGTCCGAAGGTGTCAGCGAATCAGTACCGA
 GTGTTCCAGATGCAAACGCGCCGACCTAACAAATTCGCTCTCATTGAGAAGAACCCTACAACAGTGACC
 GAGAGCGGCTGGTGTGGCGACTCATTGGGCTCGAGGTAGGAAGGGGCGTCCCCTGGGGTGGGCTCAAC
 TGGTACCCTCTCTGGAATAAAGTCGGGAACACGGAAAACCCATCATACTACTTTGGGACCACAGCAGCAA
 GACGAAAGGCAGAACATGAGCATCGATCCCAAACAGACTCAGATGCTGATCGCTGGATGCGCCCCAGCAA
 TTGGGGAATATTGGGATCTGGCCAAGCCATGCAAGACACTGCCAGAAGGGGCTGCCCCCTATAACAATT
 GGTAAACACAGTGATTCAGGACGGGGATATGGGCGACATCGGCTTCGGCGCAGCTAACTCCCTAAGTTG
 CAACAGGATAGATCCGCTGTCCCTTTGGACCTGGTGGACTCCATCGCCTTGTTGGCCTGATTTCTTCGAGA
 TGACTAAAGATACATACGGAGATTCCGTTTTCTTTTCGGAAAGAGAGCAACTGTACGCCCGCACCT
 CTTACGACGCGTGGCACTATCGGGGAGCCATCCCTGACGTCGAAGGCGTATATACTCGCAAAGTGGAC
 GATACACGCGACAATGAGAATAGGAAAAACCTGGGCTCATACCTGTACTTACCACACCTAGTGGATCCT
 TGAATTCCTCTGACTCCCAGATCTTTAATAGACCCTATTGGATCAGGCGGGCGCAAGGAACGAATAACGG
 CATATGTTGGGGCAACGACCTGTTTATTACAGTGTGATAACTCGAAATGTGAATTTAACTTGAGT
 GTGAAGTCCGACAAGGAGCCCTGGCTGCCAATCCTGTCGCTACGGGGTACAAGTATAAGGCAACCGATT
 TCAAGCAGTATATCAGACATGTGGAGGAATTTGAGATAGAGATGGTGTCCAATTGTGCAAGATAACGCT
 GGATGCCGATATCCTGGCACATCTCCAGGTGATGAACCAAGGATCCTTGAAGAATGGCAGCTTGCAATC
 ATCCCACCGCTCCAGCGATATCGGAGACGCTACCGCTACATCAAATCCCTGGCTACGATGTGCCCTC
 CCACCGACACACCTGCTGAAGTGACAGACCCGATAAAGGACTACACCTTTTGGGATGTGGACCTGACGGA
 GCGGTTTTCTAGCGACCTTTCCAGTTCGCACTGGGCAGGAAGTTTCTGTTTCAGACTGGACTGATTAAC
 GGAAAACGCCCTCGTTGACACAGTCTATCTCCTCCGACGCGAAAAGCAATAACGGAAGCGAACAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101876 representing YP_004169283

Red=Cloning sites Green=Tags

MAHWSSNAGKVYLPPSAPVARVLRDVEYVTGTDVYFHASSDRLLIVGHPYYDVESDGNVQVPKVSANQYR
 VFRCKLPDPNKFALIEKNLYNSDRERLVWRLIGLEVGRGGLVGVSTGHPLWNKVGNTENPSYYLGPQQQ
 DERQNMSIDPKQTQMLIAGCAPAIGEYWDLAKPCKTLPEGACPPIQLVNTVIQDGMGDIGFGAANFPKL
 QQDRSAVPLDLVDSIALWPDFFEMTKDITYGDSVFFFGKREQLYARHLFTHAGTIGEPIDVEGVYTRKVD
 DTRDNENRKNLGSYL YFTTPSGSLNSSDSQIFNRPYWIRRAQGTNNGICWGNLFI TVFDNTRNVFNLS
 VKSDKEPLAANPVATGYKYKATDFKQYIRHVEEFEIEMVFLCKITLDADILAHQLVMNPRILEEWQLAF
 IPPAPSDIGDAYRYIKSLATMCPPTDTPAEVTDYKDYTFWDVLDTERFSSDLSQFALGRKFLFQTGLIN
 GKRPRLTQSISSAAKSNKRKRTK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_014954

ORF Size: 1539 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_014954.1, YP_004169283](#)
RefSeq ORF: 1539 bp

Locus ID: 10146741

MW: 57.9 kDa