

## Product datasheet for **VC101788**

### L1 (NC\_012486) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L1 (NC_012486) 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 VC101788 represents NCBI reference of YP\_002756551 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCTGTGGCTCCAGCAATCCGGAACCATTTACCTGCCTCCCCAAAGCCTGTGGCGAAAGTTCTCT  
CTACCGACGAGTATGTCATCGGGACCAATCTTTCTTTTATGCGTCTCTGAGAGGCTGCTCACAGTAGG  
GCACCCATACTTCGAGATTCAAACCCCGCGCTGCCTGGCGCATTGGCCGTGCCCAAAGTGAAGCGGTAGC  
CAATACCGCGTGTAGATGCATGCTGCCGGACCCCAACAAATTTGCGCTGATCGAGCGGTATTCTATA  
ATCCTGAAAGGGAGCGGCTGGTTTGGAAAGTAAGAGGGCTCCAGCTGGGCAGAGGGGGCCCTCTCGGGCT  
CGGAATTCAGGACACCCATTGTTTAAGGTAGCTGATACAGAGAACCCACCACATACCCCGCGGCC  
GAAACTGACGAGCAAAGAGTGAACCTGTCTATGGATCCCAAGCAGGTGCAGCTCCTGATCGTGGGTTGCG  
AGCCTGCATTGGGAGAACATTGGGACGTTGCTAAACCTTGCTCTGACGAAGTGAACCAGAACCAGGGGGA  
CTGCCCCCAATTCAGTTGCTCAATACTGTCATTCAAGACGGCGACATGTGTGATATCGGCTTTGGGGCC  
GCGAATTCAAAACCTTGACGACGAGCAAAATCAGGCGTCCCACTCGACATCGTCGACTCTATTTGAAAAT  
GGCCGGATCTCATTAAAGATGGAGCAGAACATTTATGGCGATAACTTGTCTTTTTCACTAAGAAGGAAACA  
GGCTTACGCCCGGCACTATTTGCTCGAGCGGGAACCAATGGGGACCCGATCCCAGATGGCACCCTCT  
AATCAGGATGCTTTTACCTCTCACCCGACCAGGACGGCAAGCCCAAAAAGACGTTGGCTAGCTATA  
CCTATTTCCACAGTCAGCGGGTCACTGGTGTCTTCTGAAGGACAGCTTTCAACCGACCTTACTGGAT  
ACAACGCGCCCAAGGAACAAACAATGCTATTTGCTGGAATAATAATCTTTCTGACCGTGGTCGATAAC  
ACCAGGAACACTAACTTTACAATTTCTGTTTCTAAAACCGCCATCGAAAATCCTAGTCAGTACAACATA  
AAGCAGACAATTTAAGCAATATTTGAGACACGTCGAAGAGTACGATGTGGAACCTCGTGTCCAGCTGTG  
TAAAGTCCCGCTGGAGCCGGACATCCTCGCTCATCTGAATGTCTGGACCCCACTATACTTGAAAATGG  
CAACTGGCTTTTGTGCCACCCCAACCGCAGTCTATCGAGGATAATTACCGGTACATAAGGTCTTGCGCA  
CAAGGTGCCACCCGAGGAATCTGAAACTCAGTCAAAGACCCCTATAAGGAATTCAACTTCTGGAACGT  
CGATCTCACCGAGCGGTTTGTGCCGAGCTGAGCCAATCCCCTTGGGACGGAAGTTTTTGTCCAGACA  
GGACTGTTGAAAAGCTACACTCGCAGCGGAACGTCCAATAGTACAAGCGCTTGGCAGCATCTCTAGTA  
GTGGGACTACCCGGGCTAAACGCCGACAGTCCGCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101788 representing YP\_002756551

Red=Cloning sites Green=Tags

MTLWLQSGTIYLPAPKPVAKVLSTDEYVIGTNLFFYASSERLLTVGHPYFEIPNPALPGALAVPKVSGS  
QYRVFRMLPDPNKFAL IERSFYNPERERLVKVRGLQLGRGGPLGLGTSGHPLFNKVADTENPTTYPAA  
ETDEQRVNL SMDPKQVQLLIVGCEPALGEHWDVAKPCSDEVNQNQGDPCPIQLLNTVIQDGMCDIGFGA  
ANFKTLQQDKSGVPLDIVDSICKWPDLIKMEQNIYGDNLFFFTKKEQAYARHYFARAGTNGDPIPDTTP  
NQDAFYLSPDQAGAPQKTLASYTYFPTVSGSLVSSEQLFNRPYWIQRAQGTNNAICWNNLFLTVVDN  
TRNTNFTISVSKTAIENPSQYNYKADNFKQYLRHVEEYDVELVFQLCKVPLEPDILAHNLNMDPTILENW  
QLAFVPPPPQSIEDNYRYIRSLATRCPEESETQSKDPYKEFNFNVDLTERFSAELSQFPLGRKFLFQT  
GLLKS YTRSGTSNSTKR LRSISSGTTTRAKRRVRQ

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_012486

**ORF Size:** 1578 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\\_012486.1, YP\\_002756551](#)
**RefSeq ORF:** 1578 bp

**Locus ID:** 7701324

**MW:** 59.4 kDa