

Product datasheet for **VC102020**

L1 (NC_001596) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | L1 (NC_001596) 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 VC102020 represents NCBI reference of NP_041866 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCTCTGGCTGCTTCCGAAAGGTTTACCTCCCTCCAGCTACCCAGTGCCCGCGTGCAGT
 CCACAGACGAGTATGTTGAGAGGACCAATATATTCTATCACGCGATATCAGACCGACTGTTGACCGTCGG
 CCACCCTTATTACGACGTGAGGTCGGGGACGCCAGAGAATCGAAGTGCCCAAGGTGTCTGGCAATCAG
 TACCGAGCTTTCAGAATCTCACTGCCAGATCCTAATAGGTTTGCTTTGGCCGATATGTCCGTTTATAATC
 CCGACAAAGAACGGCTTGTGTGGCTTGTGCGGAATCGAGATCGGACGGGGCAACCACTGGGAGTAGG
 AACCGCGGGCACCTCTGTTTAAACAAGTGCAGCACCCGAAACAGTCCAATTACCAAGGGACCACG
 ATGGATGACCGGCAGAATACTAGTTTCGATCCGAAGCAAGTCCAGATGTTTATCATCGGGTGCATCCAT
 GTCTCGGCGAACATTGGGATAAAGCGAAGTGTGTGAGAAAGACGAAACAACCAACTCGGCCTGTGCC
 ACCAATTGAGCTGAGAAATACTGTGATAGAGGACGGAGATATGTTGACATTGGATTTCGGAACATAAAT
 AACAAAGGAACCTTTCATTTAATAAGAGCGATGTTAGCCTTGATATTGTGGATGAAACATGCAAGTACCCCG
 ATTTCTTGACCATGGCGAACGACGTCTACGGAGATGCATGTTTTTTTTTCGCGCGCCGGGAACAATGTTA
 TGCCCGCATTATTACGTCGCGCGGATCCGTTGGTGATGCCGTCCCAGACGGCGCGGTGAACCAGGAT
 CACAACCTCTTCTGCTGCCAAGAGTGATCAGCAGCAACGAACCAATTGCCAATTAACATATTATCCTA
 CTGTGTCTGGCAGCCTCGTGACATCTGACGCACAGCTGTTCAACCGCCCTTCTGGCTCCAGCGCGACA
 GGGCATAACAACGGAATCCTCTGGGGCAATCAGATCTTTGTGACCGTGGCCGACAACACTCGAAATACT
 AACTTTACAATTCAGTGTCTACTGAAGCGGCACAGACTGAGGAGTATAATGCGAATAATATTCGCGAGT
 ATCTGAGACACGTGGAGGAATACCAGATCAGTCTGATCCTCCAGCTCTGCAAGGTTCTCTGGTGGCAGA
 GGTGCTGTACAGATCAACGCCATGAATAGCGGCATCCTGGAAGATTGGCAGCTTGGCTTTGTGCCACC
 CCCGAGAATGCCGTGCACGATATTTATAGGTACATCGACTCTAAAGCAACCAAGTGTCCCGATGCAGTGG
 AGCCTACCGAGAAAGAAGATCCGTTTGCCAAGTACAGCTTTTGAAGGTAGACCTGACCGAGAGGCTGAG
 CCTGGACTTGGACCAGTATCCCCTGGGCAGAAAATTTCTTTTTCAGGCCGGGCTGCAGACACGGAACGG
 CCTATTAAGACATCTGTAAAACTCCAAGAACCGAAGCGGCGCGGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102020 representing NP_041866
Red=Cloning sites **Green**=Tags

MSLWLPASGKVYLPPATPVARVQSTDEYVERTNIFYHAISDRLLTVGHPYYDVRSQDQRIEVPKVSQNG
 YRAFRISLPDPNRFALADMSVYNPKERLWVACRGIEIGRGQPLVGTSGHPLFNKVRDTESSNYQGT
 MDDRQNTSFDPKVQMFIIIGCIPCLGEHWDKAKVCEKDANNQLGLCPPIELRNTVIEDGDMFDIGFNIN
 NKELSFNKSDVSLDIVDETCKYPDLTMANDVYGDACFFARREQCYARHYVYRGGVSGDVPDGAVNQD
 HNFFLPAKSDQQRTIANSTYYPTVSGSLVTSDAQLFNRPFWLQRAQGHNNGILWGNQIFVTVADNTRNT
 NFTISVSTEAQTTEYNANNIREYLRHVEEYQISLILQLCKVPLVAEVLSQLINAMNSGILEDWQLGFVPT
 PENAVHDIYRYIDSKATKCPDAVEPTEKEDPFAKYSFWKVDLTERLSLDLDQYPLGRKFLFQAGLQTRKR
 PIKTSVKTSKNAKRRRT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001596

ORF Size: 1521 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_001596.1](#), [NP_041866](#)

RefSeq ORF: 1521 bp

Locus ID: 1489482

MW: 57.5 kDa