

Product datasheet for **VC100398**

L5 (NC_001405) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L5 (NC_001405) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L5
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 VC100398 represents NCBI reference of NP_040533 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAAAGAGCCAGACCAAGCGAGGACACTTTTAAATCCCGTCTACCCCTATGATACGGAGACAGGACCAC
CTACCGTGCCTTTCTGACTCCTCCATTTGTCTACCGAACGGTTCCAGGAGTCTCCACCAGGAGTGCT
TAGCCTGCGCGTCTCTGAGCCACTGGACACCTCTACGGAATGCTTGCCCTTAAATGGGGAGCGGCCTG
ACACTGGATAAGGCGGGCAATCTGACTTCCAGAACGTGACGACGGTAACCCAGCCCTGAAGAAGACTA
AGTCCAATATTTCCCTGGATACTTCTGCCCGCTGACGATAACTAGCGGAGCATTGACCGTTGCCACGAC
TGCTCCACTCATCGTACAAGCGGGGCGCTCTCTGTGCAGAGCCAAGCCCCTCACCCTGCAGGACTCT
AAACTGTCATTGCCACTAAAGGACCCATCACTGTGTCGACGGAAAACCTGCCCTCAAACAAGTGCTC
CTCTGTACAGGTAGTGACAGTGACTTTGACCGTGACCGCATCACCCCTCACAACCGGACAGGTTT
CCTTGGCATCAATATGGAAGATCCAATCTACGTGAATAACGGCAAAATGGCATCAAAATCTCAGGCCCA
CTGCAGGTTGCCAAAATAGCGACACCCTGACCGTTGTCACAGGCCCTGGCGTACAGTAGAGCAGA
CCCTTAGAACTAAGGTGGCCGGAGCTATCGGATATGACTCATCAATAACATGGAATCAAAACCGGAGG
GGGTATGAGAATCAATAAATCTGTTGATCCTGGATGTTGATTACCTTCGACGCACAAAACAAAGCTG
CGCCTGAAACTGGGGCAAGTCCCTGTACATAAATGCAAGTCATAATCTCGATTAATAACAATCGCG
GTCTTTATCTTTCAACGCATCAAACAATAACAAGAACTGGAAGTGTCTATTAAGAAAGTAGCGGACT
GAACCTTGACAACACCGCAATAGCCATAAATGCCGAAAAGGATTGGAATTCGATACAAAACGTCGGAG
TCCCCCGATATTAACCCATTAAGACTAAGATCGGTTCCGGTATTGATTACAACGAAAATGGGGCTATGA
TTACCAAGCTGGGCGCCGCTCAGCTTCGATAAATCCGGGGCCATCACCATCGGTAACAAGAATGATGA
CAAACCTACCCTGTGGACCACACAGACCAAGTCCGAAGTGTGAATCCACTCAGACAATGACTGCAAA
TTCACATTGGTCTTGACGAAATGCGGCAGTCAGGTCCTTGCTACTGTTGCAGCCCTCGCCGTGAGCGGG
ACCTGAGCAGCATGACAGGGACGGTTCGAGTGTGAGCATATTTCTGCGTTTCGATCAGAACGGCGTGT
CATGAAAACCTCCTCCCTCAAGAAGCACTATTGGAATTTTCGAAATGGGAACAGCACAATGCTAACCT
TACACCAACGCGTGGATTATGCCCAATTTGCTCGCATATCAAAAACCCAGTCCAACTGCAAGA
ACAATATCGTGTCCAGGTGACTTGCACGGAGATAAAACCAAGCCATGATTCTGACCATAACTCTCAA
TGGTACCAGCGAAAGTACCGAAACAAGCGAAGTCTCTACCTATTCTATGTCATTTACATGGTCATGGAA
TCTGGCAAGTACACCACGAAACCTTCGCCACCAACAGCTATACTTTTTCTATATCGCACAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100398 representing NP_040533

Red=Cloning sites Green=Tags

MKRARPS EDTFNPVYPYDTETGPPTVPFLTPPFVSPNGFQESPPGVLSLRVSEPLDTSHGMLLALKMGSGL
TLDKAGNLT SQNVTTVTQPLKTKSNISLDT SAPLITISGALTVATTA PLIVTSGALSVQSQAPLTVQDS
KLSIATKGPITVSDGKLALQTSAPLSGSDSDLTVTASPLTTATGSLGINMEDPIYVNNKIGIKISGP
LQVAQNSDTLTVVTGPGVTVEQNSLRKTVAGAIQYDSSNMEIKTGGMRINNLLILDVDYPFDAQTKL
RLKLGQGPLYINASHNLDINYNRGLYLFNASNNTKKLEVS IKKSSGLNFDNTAIAINAGKLEFDNTSE
SPDINPIKTKIGSGIDYNENGAMITKLGAGLSFDNSGAIITIGNKNDKLTWTT PDPSPNCRIHSDNDCK
FTLVLT KCGSQVLATVAALAVSGDLSMTGTVASVSI FLRFDQNGVLMENSSLKHYWNFRNGNSTNANP
YTNVAGFMPNLLAYPKTQSQTAKNNIVSQVYLHGDKTKPMILITILNGTSESTETSEVSTYSMSFTWSWE
SGKYTTETFATNSYTF SYIAQE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NC_001405

ORF Size: 1746 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_001405.1, NP_040533](#)

RefSeq ORF: 1746 bp

Locus ID: 2652999

MW: 61.9 kDa