

Product datasheet for VC100527

L5 (NC_001454) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L5 (NC_001454) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100527 represents NCBI reference of NP_040875 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAGGACCCGCATCGAAGACGACTTAAATCCGGTTTATCCCTACGACACTAGTAGTACCCCAAGTA
TACCATACGTCGCGCCACCTTTCGTGTCTCCGACGGACTCCAAGAAAACCCCCAGGCGTGTGGCCCT
GAAATACACTGATCCTATCACCACAAACGCCAAACATGAGTTGACCTGAAACTTGGATCTAATATCACA
CTGCAAAATGGCCTGTTGAGCGCCACAGTGCCTACGGTGTCTCCGCCACTCAACAGCAACAATAGTC
TGGGCTTGGCAACAAGCGCACCTATTGCTGTCTCAGCCAATTCTTTACGCTGGCCACAGCAGCACCGCT
GACCGTCTCCAATAACCAGCTGTCCATCAATACCGGAAGGGGACTGGTTATTACGAATAACGCAGTGGCC
GTGAACCAACTGGGGCTCTCGGATTCAATAATACCGGCGCACTGCAGCTCAATGCGGCAGGCGGCATGC
GCGTTGACGGTGCCAATCTTATACTCCACGTGGCATATCCTTTGAAAGCGATCAACCAGCTGACACTTAG
ACTCGAGAATGGACTCGAGGTAACCAATGGCGGGAAGCTCAACGTGAAGCTGGGAGCGGTCTGCAGTTC
GATAAATGGCCGGATCACAATCAGTAACCGGATCCAGACCCGAGGCGTGACATCTTTGACAACAATCT
GGAGATTTCCCCACCCCAACTGTAGCATTTATGAAACACAGGACGCCAACCTTTTCTCTGCCTCAC
TAAAAATGGCGCGCATGTGCTGGGAACCATCACGATTAAGGTCTGAAGGGAGCGCTTAGAGAGATGAAT
GACAACGCCTTGTCAAGTAACTCCCTTTGATTAATCAGGGCAACTTGTGAATTGTGCTTTGAAAGCA
GCACCTGGCGATACCAGGAGACTAACCGGTGGCCAGCAACGCCCTCACGTTTATGCCAAACAGTACTGT
CTATCCGCGAAACAAGACCGCCGACCCGGCAATATGTTGATCCAGATATCACCAAAATTAACCTTCTCA
GTTGTATATAATGAGATAAATCTGTTTATGCATTTACTTTTAAGTGGTCAGCGGAACCGGGGAAACCAT
TCCACCCACCGACAGCCGTGTTCTGTTACATAACAGAGCAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100527 representing NP_040875
 Red=Cloning sites Green=Tags

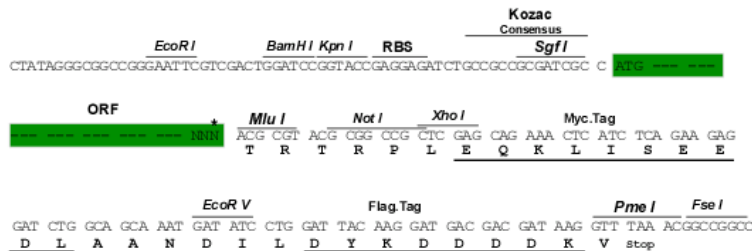
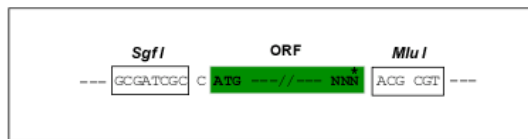
MKRTRIEDDFNPVYPYDTSSTPSIPYVAPPFVSSDGLQENPPGVLALKYDTPITTNAKHELTLKLSNIT
 LQNGLLSATVPTVSPPLTNSNNSLGLATSAPIAVSANSLLATAAPLTVSNNQLSINTGRGLVITNNAVA
 VNPTGALGFNNTGALQLNAAGGMRVGDGANLILHVAYPFEAINQLTLRLENGLEVTNGGKLNKLGSLQF
 DNNGRITISNRIQTRGVTSLLTTIWSISPTPNCSIYETQDANLFLCLTKNGAHVLGTITIKGLKALREMN
 DNALSVKLPFDNQGILLNCALESSTWRYQETNAVASNALTFMPNSTVYPRNKTDADPGNMLIQISPNITFS
 VVYNEINSGYAFTEKWSAEPGKPFHPPTAVFCYITEQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001454

ORF Size: 1161 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_001454.1](#), [NP_040875](#)

RefSeq ORF: 1161 bp

Locus ID: 2715923

MW: 41.3 kDa