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Product datasheet for VC100268

L3 (NC_001460) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L3 (NC_001460) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100268 represents NCBI reference of NP_040924 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTACTCCAAGCATGATGCCACAGTGGAGTTACATGCACATCGCCGGACAGGATGCGAGCGAGTATT
TGAGTCCAGGTCTCGTTCAGTTCGCGAGAGCCACTGATACTTATTTTACCCTCGGGAACAAATTTAGGAA
TCCAACAGTAGCTCCAACACACGACGTGACCACTGACCGCTCCCAGAGGCTTACCCTCCGGTTCGTGCCC
GTCGATCGGGAAGATACAACATATTCCTATAAAGCCCGCTTCACTCTCGCCGTCGGAGACAACAGGGTAC
TGGATATGGCTTCAAGCTACTTCGACATCAGGGGCGTGCTGGATAGAGGCCCGTCATTTAAACCTTACAG
CGGTACAGCGTATAATTCTCTGGCCCCCAAGGGCGCTCCGAACGCATCTCAATGGAGTGATAACGCAAAG
CTCAACACCTTCGCACAGGCTCCATACCTCAGTGATACCATCACAGCCGCCGATGGGATTAAGGTCGGTA
CCGACACTGCCCAGGCCGGAGCCGCGGTATATGCTAATAAGACTTATCAACCAGAGCCACAGGTAGGCCC
TTCTGAGTGGAACACGAGCATTGAGAACGTTAAGGCGGGCGGCCGAGCTTTGAAGCAAACAACCGCAATG
CAACCTTGCTATGGTTCTTACGCACGCCCGACTAATGAACATGGCGGCCAGTCCAAAGACGATAATATTG
AACTGAAGTTCTTTGACTCTGCCAACAACGCAGCGAACACTGCGCAGGTTGTTTTCTATACCGAAGATGT
GAACCTCGAAATGCCGGATACGCACCTGGTGTTTAAACCAACCGTCACTAACGGGACCATCGCCAGTGAG
TCTCTGTTGGGCCAGCAGGCTGCCCCAAACCGCGCAAACTACATCGCTTTCAGAGACAACTTTATCGGGC
TTATGTACTACAATTCTACTGGGAACATGGGAGTGCTTGCTGGGCAGGCATCTCAGCTGAATGCAGTAGT
GGATCTCCAAGATCGCAATACCGAGCTCTCTTATCAACTCATGCTGGATGCGCTGGGGGATCGGACCCGC
TACTTTAGCCTGTGGAACAGCGCCGTGGATTCATACGACCCGGATGTCCGGGTGATCGAGAACCATGGAG
TCGAAGACGAATTGCCCAACTACTGTTTTCCACTGAGCGCGGTGGGAGAGATTAAAAACTATAAGGGGAT
CAAACCCGACAACGGCGGCGGTGGCGGGTGGACAGCCGATAACACAGTTAGCGAGGCCAACCATATTGGA
ATTGGCAATATTGCCGCAATGGAGATTAACCTTCAGGCCAACCTGTGGCGCAGTTTCCTGTACTCCAACG
TTGGCCTTTACCTGCCCGATGATCTGAAATACACGCCAGGTAACATAAAACTCCCCGATAACAAGAACAC
GTACGAGTATATGAATGGCCGGGTAACAGCTCCCGGGTTGGTGGACACTTACGTGAATATAGGCGCCCGC
TGGAGCCCTGACGTGATGGACAACGTTAATCCCTTCAATCATCATCGGAACGCGGGCCTGCGCTATCGGA
GTATGCTGTTGGGCAATGGAAGGTTCGTCCCTTTTCATATCCAAGTGCCCCAGAAGTTTTTCGCAATTCG
GAACCTGCTCCTCCTTCCAGGCAGTTACACATACGAGTGGAACTTCAGAAAGGATGTGAATATGATTCTT
CAATCTACTCTGGGCAATGACCTGAGAGTGGACGGCGCCTCTGTGCGGTTTGATAACATCGCGCTGTATG
CTAATTTTTTCCCTATGGCTCACAACACAGCCTCCACGTTGGAAGCTATGCTGCGCAACGATACCAACGA
TCAGTCTTTCAACGATTATCTCTGCGCAGCAAACATGCTCTATCCAATCCCCGCCAACGCAACCTCCGTT
CCGATCTCAATTCCCTCCCGGAACTGGGCAGCCTTTAGAGGCTGGAGTTTCACGCGACTTAAGACGAAAG
AAACGCCTTCTCTTGGTTCCGGGTTCGATCCATACTTTGTGTATTCCGGTACAATCCCGTATCTGGACGG
AACCTTCTACCTTAACCACACTTTCAAGAAAGTTTCAATCATGTTCGACTCATCCGTTTCCTGGCCGGGG
AATGATCGGCTGCTGACTCCCAATGAATTTGAGATCAAACGCTCTGTCGACGGAGAAGGCTATAACGTGG
CACAATGCAATATGACCAAAGACTGGTTCCTGATTCAGATGCTCTCTCATTATAACATCGGCTATCAGGG
CTTCTATATACCAGAATCTTACAAAGATCGGATGTACTCATTTTTTCGGAACTTTCAGCCCATGAGTCGA
CAGGTGGTCGATACCACAGAGTATAAGAACTATAAAAAGGTGACAGTGGAGTTCCAGCACAATAATAGCG
GGTTCGTGGGATATCTGGGGCCAACGATGAGAGAGGGCCAGGCCTATCCCGCCAATTATCCTTATCCTCT
GATAGGTCAGACCGCTGTTGAGTCCATCACCCAGAAAAAATTCCTGTGCGATAGGGTCATGTGGCGGATC
CCTTTCTCATCAAACTTTATGTCTATGGGAGCTCTCACTGATCTCGGACAAAACATGCTCTATGCAAATT
CCGCACACGCCCTTGATATGACCTTTGAGGTTGACCCTATGGATGAACCCACCCTTCTCTATGTTCTCTT
CGAGGTCTTTGATGTCGTGCGGATTCACCAGCCACACCGCGGCGTCATAGAGGCTGTGTACCTGCGCACC
CCATTCAGCGCTGGCAACGCTACAACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

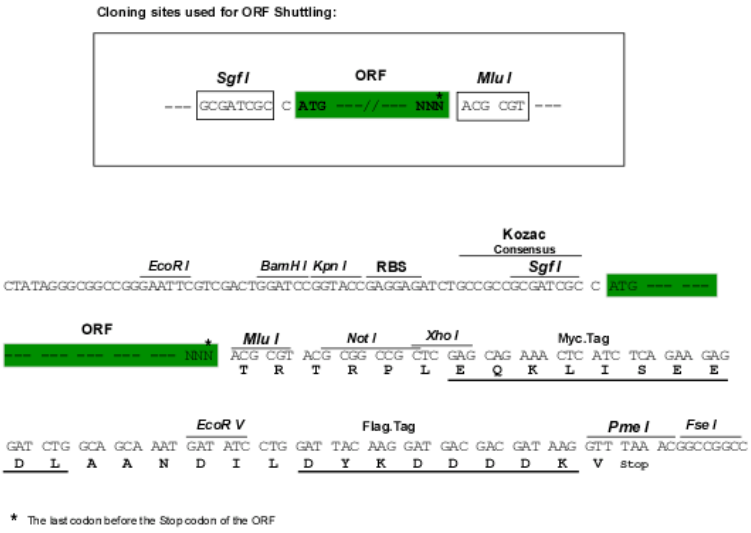
>VC100268 representing NP_040924
Red=Cloning sites Green=Tags

MATPSMMPQWSYMHIAGQDASEYLSPGLVQFARATDTYFTLGNKFRNPTVAPTHDVTTDRSQRLTLRFVP
VDREDTTYSYKARFTLAVGDNRVLDMASSYFDIRGVLDRGPSFKPYSGTAYNSLAPKGAPNASQWSDNAK
LNTFAQAPYLSDTITAADGIKVGTDTAQAGAAVYANKTYQPEPQVGPSEWNTSIENVKAGGRALKQTTAM
QPCYGSYARPTNEHGGQSKDDNIELKFFDSANNAANTAQVVFYTEDVNLEMPDTHLVFKPTVTNGTIASE
SLLGQQAAPNRANYIAFRDNFIGLMYYNSTGNMGVLAGQASQLNAVVDLQDRNTELSYQLMLDALGDRTR
YFSLWNSAVDSYDPDVRVIENHGVEDELPNYCFPLSAVGEIKNYKGIKPDNGGGGGWTADNTVSEANHIG
IGNIAAMEINLQANLWRSFLYSNVGLYLPDDLKYTPGNIKLPDNKNTYEYMNGRVTAPGLVDTYVNIGAR
WSPDVMDNVNPFNHHRNAGLRYRSMLLGNGRFVPFHIQVPQKFFAIRNLLLLPGSYTYEWNFRKDVNMIL
QSTLGNDLRVDGASVRFDNIALYANFFPMAHNTASTLEAMLRNDTNDQSFNDYLCAANMLYPIPANATSV
PISIPSRNWAAFRGWSFTRLKTKETPSLGSGFDPYFVYSGTIPYLDGTFYLNHTFKKVSIMFDSSVSWPG
NDRLLTPNEFEIKRSVDGEGYNVAQCNMTKDWFLIQMLSHYNIGYQGFYIPESYKDRMYSFFRNFQPMSR
QVVDTTEYKNYKKVTVEFQHNNSGFVGYLGPTMREGQAYPANYPYPLIGQTAVESITQKKFLCDRVMWRI
PFSSNFMSMGALTDLGQNMLYANSAHALDMTFEVDPMDEPTLLYVLFEVFDVVRIHQPHRGVIEAVYLRT
PFSAGNATT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001460

ORF Size:	2757 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_001460.1, NP_040924
RefSeq ORF:	2757 bp
Locus ID:	1460858
MW:	103.0 kDa