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Product datasheet for MC219165

Ltk (NM_008523) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltk (NM_008523) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ltk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219165 representing NM_008523
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

CTGGAGACCCGCGCGGCGGCGCCGGGCAGCGGCGGGAGAGGAGGCGCGGCAGGCGGTGATACTTCTGAGT
CTGACCTCCTCTGGGCTGATGGGGAAGATGGCACATCCTTTGTCCACCCCAGTGGTGAGCTCTACCTACA
GCCTCTGGCAGTCACAGAGGGCCATGGGGAGGTGGAGATCCGAAAGCATCCCAACTGCAGTCACTGCCCT
TTCAAAGACTGCCAGTGGCAGGCAGAGCTCTGGACGGCCGAATGCACGTGCCCAGAGGGCACGGAGCTAG
CTGTGGATAATGTCACTTGCATGGACCTGCCAACCACCGCAAGCCCTCTGATCCTGATGGGAGCTGTAGT
GGCAGCCTTGGCACTGAGTCTCCTAATGATGTGTGCAGTCCTGATTCTAGTGAACCAGAAGTGTCAGGGC
CTGTGGGGGACCAGGCTGCCAGGCCCTGAGCTTGAGCTAAGCAAGCTTCGATCCTCTGCCATCAGGACAG
CACCCAACCCTTACTATTGTCAGGTGGGACTCAGTCCTGCCCAGCCCTGGCCTTTGCCCCCAGGGCTCAC
TGAGGTTTCACCAGCCAATGTCACTCTACTCAGAGCCCTTGGCCATGGTGCCTTTGGGGAAGTGTACGAG
GGACTAGTGACTGGTCTTCCTGGGGACTCCAGTCCTCTTCCAGTGGCTATTAAGACTCTGCCAGAGCTCT
GCTCCCATCAGGATGAGCTGGATTTTCTCATGGAGGCTCTGATCATCAGCAAGTTCAGCCATCAGAACAT
TGTACGCTGTGTGGGGCTCAGCTTTCGGTCTGCCCCGCGCCTCATTCTGCTGGAGCTGATGTCTGGTGGG
GACATGAAGAGCTTTTTGAGGCACAGCAGACCACACCCAGGACAACTGGCACCTCTGACCATGCAGGACC
TATTGCAGCTGGCCCAGGATATAGCCCAGGGCTGCCACTACCTGGAGGAAAATCACTTCATTCACAGAGA
CATTGCTGCCCGTAACTGTCTGCTTAGCTGCAGTGGAGCCAGCCGAGTGGCCAAGATTGGAGATTTTGGA
ATGGCAAGAGATATCTACCAGGCCAGTTATTATCGCAAGGGTGGCCGGACCTTGCTCCCAGTCAAGTGGA
TGCCGCCAGAAGCTCTCCTGGAGGGCCTTTTCACATCCAAGACAGACTCCTGGTCTTTTGGGGTCCTGCT
CTGGGAGATCTTCTCACTGGGGTATATGCCCTACCCTGGACATACCAACCAGGAGGTTCTAGACTTCATT
GCCACAGGGAACAGGATGGACCCTCCTAGGAACTGTCCTGGGCCAGTGTACCGAATCATGACCCAGTGTT
GGCAGCATCAGCCGGAGCTCCGCCCTGACTTTGGCAGCATCTTGGAACGGATTCAGTACTGCACTCAGGA
CCCTGATGTGCTGAACTCACCCCTGCCCGTGGAACCTGGGCCCATTCTAGAGGAGGAAGAGGCCTCCAGG
CTGGGAAACAGGTCACTGGAGGGTCTTAGATCCCCAAAGCCCCTAGAGCTGAGTTCTCAGAACTTGAAGA
GCTGGGGAGGAGGCCTTCTTGGCTCTTGGCTGCCCTCTGGCCTCAAGACCCTCAAACCCAGGTGCCTCCA
ACCTCAGAACATTTGGAACCCCACCTATGGCTCCTGGACCCCAAGGGGCCCCCAGGGTGAAGATACAGGC
ATTGAACACTGCAATGGCTCCTCCTCAAGTTCCATTCCAGGCATCCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008523

Insert Size: 1731 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).

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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:	NM_008523.2, NP_032549.2
RefSeq Size:	2269 bp
RefSeq ORF:	1731 bp
Locus ID:	17005
Cytogenetics:	2 59.97 cM
Gene Summary:	The protein encoded by this gene is a member of the ros/insulin receptor family of tyrosine kinases. Tyrosine-specific phosphorylation of proteins is a key to the control of diverse pathways leading to cell growth and differentiation. Four alternatively spliced transcript variants encoding different isoforms have been described for this gene. These transcripts are expressed in a tissue-specific manner in lymphocytes, brain and neuroblastoma cells, and the encoded isoforms exhibit different subcellular localization. The lymphocyte and brain specific variants initiate translation at non-AUG (CUG) start codons. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) is lacking several exons from the 5' end, and an internal coding exon compared to transcript variant 4. This results in a shorter isoform (A), which has a different N-terminus, is missing a 61 aa segment compared to isoform D, and that is localized in the endoplasmic reticulum. This variant is specifically expressed in the lymphocytes and initiates translation from a non-AUG (CUG) start codon.

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