

Product datasheet for **MC219975**

Ltk (NM_206941) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltk (NM_206941) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ltk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219975 representing NM_206941
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

CTGGAGACCCGCGCGGCCGCGCCGGCAGCGCGGGAGAGAGGGCGCGCAGGTGGAGGGAGCGGCTGGA
 CGTCGCGAGCCCACTCTCCGACAGGCCGACGCTCGCCCGGGAAGGGGCCGAGGGCGCGAGGGCTGCGC
 GGAGGCCCTGGGCTGCGCTCCGCTGGGCTCGCGCGGGAGGCTTCGGGGCGCGCGCGGGCCCTGCGCGGCG
 GGCGCGGTGGCGCGGCTACCGGGGCGGTGATACTTCTGAGTCTGACCTCCTCTGGGCTGATGGGGAAG
 ATGGCACATCCTTTGTCCACCCAGTGGTGAAGTCTACCTACAGCCTCTGGCAGTCACAGAGGGCCATGG
 GGAGGTGGAGATCCGAAAGCATCCCACTGCAGTCACTGCCCTTCAAAGACTGCCAGTGGCAGGCAGAG
 CTCTGGACGGCCGAATGCACGTGCCAGAGGGCACGGAGCTAGCTGTGGATAATGCACTGTCATGGACC
 TGCCAACCACCGAAGCCCTCTGATCCTGATGGGAGCTGTAGTGGCAGCCTTGGCACTGAGTCTCCTAAT
 GATGTGTGCACTCCTGATTCTAGTGAACAGAAGTGTGAGGGCCGTGGGGGACCAGGCTGCCAGGCCCT
 GAGCTTAGCTAAGCAAGCTTCGATCCTCTGCCATCAGGACAGCACCCAACCTTACTATTGTCAGGTGG
 GACTCAGTCTGCCAGCCCTGGCCTTTGCCCCAGGGCTCACTGAGTTTACCAGCCAATGCACTCT
 ACTCAGAGCCCTTGGCCATGGTGCCTTTGGGGAAGTGTACGAGGGACTAGTACTGGTCTTCTGGGGAC
 TCCAGTCTCTCCAGTGGCTATTAAGACTCTGCCAGAGCTCTGCTCCCATCAGGATGAGCTGGATTTTC
 TCATGGAGGCTCTGATCATCAGCAAGTTCAGCCATCAGAACATTGTACGCTGTGTGGGGCTCAGCTTTTCG
 GTCTGCCCCGCGCCTCATTCTGCTGGAGCTGATGTCTGGTGGGACATGAAGAGCTTTTGGAGCACAGC
 AGACCACACCCAGGACAACCTGGCACCTTGACCATGCAGGACCTATTGCAGCTGGCCAGGATATAGCCC
 AGGGTGGCACTACCTGGAGGAAAATCACTTCACTCACAGAGACATTGCTGCCGTAACCTGCTGCTTAG
 CTGCAGTGGAGCCAGCCGAGTGGCCAAGATTGGAGATTTTGAATGGCAAGAGATATCTACCAGGCCAGT
 TATTATCGCAAGGGTGGCCGACCTTGCTCCAGTCAAGTGGATGCCGCCAGAAGCTCTCCTGGAGGGCC
 TTTTCACATCCAAGACAGACTCCTGGTCTTTGGGGTCTGCTCTGGGAGATCTTCTCACTGGGGTATAT
 GCCCTACCCTGGACATACCAACCAGGAGTTCTAGACTTCACTGCCACAGGGAACAGGATGGACCCTCCT
 AGGAACTGCTCTGGCCAGTGTACCGAATCATGACCCAGTGTGGCAGCATCAGCCGGAGCTCCGCCCTG
 ACTTTGGCAGCATCTTGGAACGGATTCACTACTGCACTCAGGACCCTGATGTGCTGAACCTACCCCTGCC
 CGTGGAACTGGGCCATTCTAGAGGAGGAAGAGGCTCCAGGCTGGGAAACAGGCTCACTGGAGGGTCTT
 AGATCCCCAAAGCCCTAGAGCTGAGTTCTCAGAACTTGAAGAGCTGGGGAGGAGCCTTCTGGCTCTT
 GGCTGCCCTCTGGCCTCAAGACCCTCAAACCCAGGTGCCTCAAACCTCAGAACATTTGGAACCCACCTA
 TGGCTCCTGGACCCCAAGGGGCCCCAGGGTGAAGATACAGGCATTGAACACTGCAATGGCTCCTCCTCA
 AGTTCCATTCCAGGCATCCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_206941
- Insert Size:** 1914 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).

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_206941.1](#), [NP_996824.1](#)

RefSeq Size: 2452 bp

RefSeq ORF: 1914 bp

Locus ID: 17005

UniProt ID: [P08923](#)

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 (2) is missing several exons from the 5' end, and has a different 5' end exon compared to transcript variant 4. This results in a shorter isoform (B) with a different N-terminus compared to isoform D. This variant is specifically expressed in the brain and initiates translation from a non-AUG (CUG) start codon.