

Product datasheet for **MC222414**

Ltk (NM_203345) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltk (NM_203345) 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: >MC222414 representing NM_203345
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGCTGCTCCCACCGCTGCTGCTGTGGCTGGGAGCTGCTGGAATATTCTTTGCTCCAACCTCGGAGT
 TCCAGACACCTTTTCTAACACCTTCGCTTTTGCCGGTGTGTTACTCAATTTCCAGGAGCAGAAAGTCAC
 CCCCACACCCAGTAAATTGGAGCCAGCTTCCCTCCCAAATCCTCTAGGCACACGGGGCCTTGGGTGTTT
 AACACCTGTGGCGCCAGCGGCAGGAGCGGACCCACACAAACACAGTGCATGGGGCATACACAGGAAGCA
 GCGTGATGGTGACAGTGGGGCTGCCGGCCGCTCAAAGCGTGCAGCTGTGGCGGTGCCAGACACAGG
 CCAGTATCTGATCTCCGCTACGGAGCGCGGGCCAAAGGGCGCCAAAACACCTGTCACGGGCGCAC
 GGCATCTCTCTCAGCAGTCTTCTTCCGTCGCGGGAGCCGGTGTACATCCTTGTGGGGCAGCAGG
 GCCAGGACGCTGTCCCGAGGGAGCCCTGAGAGCCAACCTGTCTGTCTGGGAGAGTCTGGGAGCATGC
 AACACCTATGGACCGAAAGGATCCCAGGCTGGAGACGCTGGGCCGGCGGGGGCGGGGTGGCGGAGGC
 GCCACCTCCATCTTCCGGCTGCGCGCGGGGAGCCAGAGCCGCTGCTGGTGGCGGGGAGGCGGGGGA
 GGTCTACCGGAGGCGACCTGACCGCGCCGACTCAGGCCGTCCCGAGAGGCTGGAGACCCGCGCGGC
 GGCGCCGGGACAGCGGGGAGAGGAGGCGCGCAGGTGGAGGGAGCGGCTGGACGTCCGAGAGCCACTCT
 CCGCAGGCCGAGCGCTCGCCGCGGAAGGGGCCGAGGGCGCGAGGGCTGCGCGGAGGCCTGGGTGCGC
 TCCGCTGGGTGCGGGCGGAGGCTTCCGGGGCGCGCGGGGCTGCGCGGGCGGGCGGGTGGCGGCGG
 CTACCGGGGCGGTGATACTTCTGAGTCTGACCTCCTCTGGGTGATGGGAAGATGGCACATCCTTTGTC
 CACCCAGTGGTGTGAGCTACCTACAGCCTTGGCAGTACAGAGGGCCATGGGAGGTGGAGATCCGAA
 AGCATCCCAACTGCAGTCACTGCCCTTCAAAGACTGCCAGTGGCAGGCAGAGCTCTGGAGGCGCGAATG
 CACGTGCCCAGAGGGCACGGAGCTAGCTGTGATAATGTCACTTGCATGGACCTGCCAACCCAGCAAGC
 CCTCTGATCCTGATGGGAGCTGTAGTGGCAGCCTTGGCACTGAGTCTCCTAATGATGTGTGACAGTCTGA
 TTCTAGTGAACCAGAAGTGTGAGGCTGTGGGGACCAGGCTGCCAGGCCCTGAGCTTGAAGTAAAGCA
 GCTTCGATCCTCTGCCATCAGGACAGCACCCAACCCCTTACTATTGTGAGGTGGGACTCAGTCTGCCAG
 CCCTGGCCTTTGCCCCAGGGCTCACTGAGGTTTACCAGCCAATGTCACTCTACTCAGAGCCCTTGGCC
 ATGGTGCCTTTGGGAAGTGTACGAGGGACTAGTACTGGTCTTCTGGGACTCCAGTCTCTTCCAGT
 GGCTATTAAGACTCTGCCAGAGCTCTGCTCCCATCAGGATGAGCTGGATTTTCTCATGGAGGCTCTGATC
 ATCAGCAAGTTCAGCCATCAGAACATTGTACGCTGTGTGGGGCTCAGCTTTCGGTCTGCCCGCGCCTCA
 TTCTGCTGGAGCTGATGTCTGGTGGGACATGAAGAGCTTTTGGAGCACAGCAGACCACCCAGGACA
 ACTGGCACCTCTGACCATGCAGGACCTATTGCAGCTGGCCAGGATATAGCCAGGGCTGCCACTACCTG
 GAGGAAAATCACTTCACTTACAGAGACATTGCTGCCCGTAACTGTCTGCTTAGCTGCAGTGGAGCCAGCC
 GAGTGGCCAAGATTGGAGATTTTGGAAATGGCAAGAGATATCTACCAGGCCAGTTATTATCGCAAGGGTGG
 CCGGACCTTGCTCCAGTCAAGTGGATGCCCGCAGAAGCTCTCCTGGAGGGCCTTTTACATCCAAGACA
 GACTCCTGGTCTTTTGGGTCTGCTCTGGGAGATCTTCTCACTGGGGTATATGCCCTACCTGGACATA
 CCAACCAGGAGGTTCTAGACTTCACTTCCACAGGGAACAGGATGGACCCCTAGGAATGTCCTGGGCC
 AGTGTACCGAATCATGACCCAGTGTGGCAGCATCAGCCGAGCTCCGCCCTGACTTTGGCAGCATCTTG
 GAACGGATTCACTACTGCACTCAGGACCTGATGTGCTGAACCTACCCCTGCCCGTGAACCTGGGCCCCA
 TTCTAGAGGAGGAAGAGGCTCCAGGCTGGGAAACAGGTCACTGGAGGTCTTAGATCCCAAAGGCCCT
 AGAGCTGAGTTCTCAGAACTTGAAGAGCTGGGAGGAGGCCTTCTGGCTCTTGGCTGCCCTCTGGCCTC
 AAGACCTCAAACCCAGGTGCCTCAAACCTCAGAACATTTGGAACCCACCTATGGCTCTGGACCCCAA
 GGGGCCCCAGGGTGAAGATACAGGCATTGAACACTGCAATGGCTCCTCCTCAAGTTCATTCCAGGCAT
 CCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_203345

Insert Size:	2667 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:	<ol style="list-style-type: none"> 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:	<u>NM_203345.2</u> , <u>NP_976220.2</u>
RefSeq Size:	3115 bp
RefSeq ORF:	2667 bp
Locus ID:	17005
UniProt ID:	<u>P08923</u>
Cytogenetics:	2 59.97 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) encodes the longest isoform (D), is expressed in neuroblastoma cells, and initiates translation from the standard AUG start codon.</p>