

Product datasheet for **MC221855**

Ltk (NM_206942) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltk (NM_206942) 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: >MC221855 representing NM_206942
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGGCTGCTCCCACCGCTGCTGCTGTGGCTGGGAGCTGCTGGAATATTCTTTGCTCCAACCTCGGAGT
 TCCAGACACCTTTTCTAACACCTTCGCTTTTCCGGTGTGTTACTCAATTCACAGGAGCAGAAAGTCAC
 CCCCACACCCAGTAAATTGGAGCCAGCTTCCCTCCCAAATCCTCTAGGCACACGGGGCCTTGGGTGTTT
 AACACCTGTGGCGCCAGCGGAGGAGCGGACCCACACAAACACAGTGCATGGGGCATACACAGGAAGCA
 GCGTGATGGTGACAGTGGGGCTGCCGGCCGCTCAAAGCGTGCAGCTGTGGCGGTGCCAGACACAGG
 CCAGTATCTGATCTCCGCTACGGAGCGGCGGCAAGGGCGCCAAAACACCTGTCACGGGCGCAC
 GGCATCTCTCTCAGCAGTCTTCTTCCGTCGCGGGAGCCGGTGTACATCCTTGTGGGCGAGCAGG
 GCCAGGACGCTGTCCCGAGGGAGCCCTGAGAGCCAACCTGCTGTCTGGGAGAGTCTGGGAGCATGC
 AACACCTATGGACCGAAAGGATCCCAGGCTGGAGACGCTGGGCCGGCGGGGGCGGGGTGGCGGAGGC
 GCCACCTCCATCTTCCGGCTGCGCGCGGGGAGCCAGAGCCGCTGCTGGTGGCGGGGAGGCGCGGGGA
 GGTCTACCGGAGGCGACCTGACCGCGCCGGACTCAGGCCGTCCCGAGAGGCTGGAGACCCGCGCGGC
 GCGCGGGGACGCGGGGAGAGGAGGCGCGCAGGCGGTGATACTTCTGAGTCTGACCTCCTTGGGCT
 GATGGGAAGATGGCACATCCTTTGTCCACCCAGTGGTGTGAGCTACCTACAGCCTCTGGCAGTCACAG
 AGGGCCATGGGGAGTGGAGATCCGAAAGCATCCCAACTGCAGTCACTGCCCTTTCAAAGACTGCCAGTG
 GCAGGCAGAGCTCTGGACGGCGAATGCACGTGCCAGAGGGCACGGAGCTAGCTGTGGATAATGCACT
 TGCATGGACCTGCCAACCCAGCCCTCTGATCCTGATGGGAGCTGTAGTGGCAGCTTGGGACTGA
 GTCTCTAATGATGTGTGCACTCTGATTTCTAGTGAACAGAAGTGTGAGGCGCTGTGGGGGACCGGCT
 GCCAGGCCCTGAGCTTGAAGTAAAGCAAGCTTCGATCCTCTGCCATCAGGACAGCACCCAACCTTACTAT
 TGTGAGGTGGGACTCAGTCTGCCAGCCCTGGCCTTTGCCCGAGGCTCACTGAGTTTACCAGCCA
 ATGCACTCACTCAGAGCCCTGGCCATGGTGCCTTTGGGAAGTGTACGAGGACTAGTACTGGTCT
 TCCTGGGACTCCAGTCTCTCCAGTGGCTATTAAGACTCTGCCAGAGCTCTGCTCCCATCAGGATGAG
 CTGGATTTTCTCATGGAGGCTCTGATCATCAGCAAGTTTCCAGCATCAGAACATTGTACGCTGTGGGGC
 TCAGTTCGGTCTGCCCGGCCTCATTCTGCTGGAGCTGATGTCTGGTGGGACATGAAGAGCTTTT
 GAGGCACAGCAGACCACCCAGGACAACCTGGCACCTTGACCATGCAGGACCTATTGCAGTGGCCAG
 GATATAGCCAGGCTGCCACTACTGGAGGAAAATCACTTCACTCACAGAGACATTGCTGCCCGTAACT
 GTCTGCTTAGCTGCAAGTGGAGCCAGCCAGTGGCCAAGATTGGAGATTTTGAATGGCAAGAGATATCTA
 CCAGGCCAGTTATTATCGCAAGGTGGCCGGACCTTGCTCCAGTCAAGTGGATGCCCGCAGAAGCTCTC
 CTGGAGGGCCTTTTACATCCAAGACAGACTCCTGGTCTTTTGGGGTCTGCTCTGGGAGATCTTCTCAC
 TGGGGTATATGCCCTACCCTGGACATACCAACCAGGAGTTCTAGACTTCACTGCCACAGGGAACAGGAT
 GGACCTCCTAGGAACTGTCTGGGCCAGTGTACCGAATCATGACCCAGTGTGGCAGCATCAGCCGGAG
 CTCCGCCCTGACTTTGGCAGCATCTTGAACGGATTCACTACTGCACTCAGGACCTGATGTGCTGAACT
 CACCCCTGCCCGTGAACCTGGGCCATTCTAGAGGAGGAAGAGGCTCCAGGCTGGGAAACAGGTCAT
 GGAGGGTCTTAGATCCCCAAGCCCTAGAGCTGAGTTCTCAGAACTTGAAGAGCTGGGGAGGAGGCCTT
 CTGGCTCTTGGCTGCCCTCTGGCCTCAAGACCTCAAACCCAGGTGCCTCAACCTCAGAACATTTGGA
 ACCCCACCTATGGCTCCTGGACCCAAGGGGCCCCAGGGTGAAGATACAGGCATTGAACACTGCAATGG
 CTCCTCTCAAGTTCCATTCCAGGCATCCAGTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_206942
Insert Size: 2484 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:	NM_206942.2 , NP_996825.2
RefSeq Size:	2932 bp
RefSeq ORF:	2484 bp
Locus ID:	17005
UniProt ID:	P08923
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 (3) is lacking an internal coding exon compared to transcript variant 4. This results in an isoform (C), which is missing a 61 aa segment compared to isoform D, and that is localized in the endoplasmic reticulum. This variant is expressed in neuroblastoma cells and initiates translation from the standard AUG start codon.</p>