

Product datasheet for **MR222631**

Ltk (NM_206941) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>MR222631 representing NM_206941
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

CTGGAGACCCGCGCGCGCGCCGGGCAGCGCGGGAGAGAGGGCGCGGAGGTGGAGGGAGCGGCTGGA
 CGTCGCGAGCCCACTCTCCGCAGGCCGGACGCTCGCCCGGGAAGGGGCCGAGGGCGCGAGGGCTGCGC
 GGAGGCCCTGGGCTGCGCTCCGCTGGGCTCGCGCGGGAGGCTTCGGGGCGCGCGCGGGCCCTGCGCGCGC
 GCGCGCGGTGGCGCGGCTACCGGGGCGGTGATACTTCTGAGTCTGACCTCCTCTGGGCTGATGGGGAAG
 ATGGCACATCCTTTGTCCACCCAGTGGTGAAGTCTACCTACAGCCTCTGGCAGTCACAGAGGGCCATGG
 GGAGGTGGAGATCCGAAAGCATCCCACTGCAGTCACTGCCCTTCAAAGACTGCCAGTGGCAGGCAGAG
 CTCTGGACGGCCGAATGCACGTGCCAGAGGGCACGGAGCTAGCTGTGGATAATGCACTGTCATGGACC
 TGCCAACCACCGAAGCCCTCTGATCCTGATGGGAGCTGTAGTGGCAGCCTTGGCACTGAGTCTCCTAAT
 GATGTGTGCACTCCTGATTCTAGTGAACAGAAGTGTGAGGGCCGTGGGGGACCAGGCTGCCAGGCCCT
 GAGCTTAGCTAAGCAAGCTTCGATCCTCTGCCATCAGGACAGCACCCAACCCCTTACTATTGTCAGGTGG
 GACTCAGTCTGCCAGCCCTGGCCTTTGCCCCAGGGCTCACTGAGGTTTACCAGCCAATGCACTCT
 ACTCAGAGCCCTTGGCCATGGTGCCTTTGGGGAAGTGTACGAGGGACTAGTACTGGTCTTCTGGGGAC
 TCCAGTCTCTCCAGTGGCTATTAAGACTCTGCCAGAGCTCTGCTCCCATCAGGATGAGCTGGATTTTC
 TCATGGAGGCTCTGATCATCAGCAAGTTCAGCCATCAGAACATTGTACGCTGTGTGGGGCTCAGCTTTTC
 GTCTGCCCCGCGCCTCATTCTGCTGGAGCTGATGTCTGGTGGGACATGAAGAGCTTTTTGAGGCACAGC
 AGACCACACCCAGGACAACCTGGCACCTTGACCATGCAGGACCTATTGCAGCTGGCCAGGATATAGCCC
 AGGGTGGCACTACCTGGAGGAAAATCACTTCATTCACAGAGACATTGCTGCCGTAACCTGCTGCTTAG
 CTGCAGTGGAGCCAGCCGAGTGGCCAAGATTGGAGATTTTGAATGGCAAGAGATATCTACCAGGCCAGT
 TATTATCGCAAGGTGGCCGACCTTGCTCCCAGTCAAGTGGATGCCGCCAGAAGCTCTCCTGGAGGGCC
 TTTTCACATCCAAGACAGACTCCTGGTCTTTTGGGGTCTGCTCTGGGAGATCTTCTCACTGGGGTATAT
 GCCCTACCCTGGACATACCAACCAGGAGGTTCTAGACTTCATTGCCACAGGGAACAGGATGGACCCTCCT
 AGGAACTGTCTGGCCAGTGTACCGAATCATGACCCAGTGTGGCAGCATCAGCCGGAGCTCCGCCCTG
 ACTTTGGCAGCATCTTGGAACGGATTCACTACTGCACTCAGGACCCTGATGTGCTGAACTACCCCTGCC
 CGTGGAACTGGGCCATTCTAGAGGAGGAAGAGGCTCCAGGCTGGGAAACAGGCTCACTGGAGGGTCTT
 AGATCCCCAAAGCCCTAGAGCTGAGTTCTCAGAACTTGAAGAGCTGGGGAGGAGCCTTCTGGCTCTT
 GGCTGCCCTCTGGCCTCAAGACCCTCAAACCCAGGTGCCTCAAACCTCAGAACATTTGGAACCCACCTA
 TGGCTCCTGGACCCCAAGGGGCCCCAGGGTGAAGATACAGGCATTGAACACTGCAATGGCTCCTCCTCA
 AGTTCCATTCCAGGCATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222631 representing NM_206941
 Red=Cloning site Green=Tags(s)

LETRAAAPGSGRGAAGGGSGWTSRAHSPQAGRSPREGAEGGEGCAEAWAALRWAAGGFGGGGGACAA
 GGGGGYRGGDTSEDLLWADGEDGTSFVHPSGELYLQPLAVTEGHGEVEIRKHPNCSHCPFKDCQWQAE
 LWTAECTPEGTELAVDNVT CMDLPTTASPLILMGAVVAALALSLLMMCAVLILVNQKCQGLWGTRLPGP
 ELELSKLRSSAIRTAPNPYYCQVGLSPAQPWPLPPGLTEVSPANVTLRLALGHGAFGEVYEGLVTGLPGD
 SSPLPVAIKTLPELCSHQDELDFLMEALII SKFSHQNI VRCVGLSFRSAPRLILLELMSGGDMKSF LRHS
 RPHPGQLAPLTMQDLLQAQDIAQGCHYLEENHFIHRDIAARNCLLSCSGASRVAKIGDFGMARDIYQAS
 YYRKGGRTLLPVKWPPEALLEGLFTSKTDSWSFGVLLWEIFSLGYMPYPGHTNQEVLDFIATGNRMDPP
 RNCPGPVYRIMTQCWQHQPRLPDFGSILERIYQCTQDPDVLNSPLPVEPGPILEEEEEASRLGNRSLEGL
 RSPKPLELSSQNLKSWGGLLGSWLP SGLKTLKPRCLQPQNIWNPTYGSWTPRGPQGEDTGIEHCNGSSS
 SSIPGIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_206941

ORF Size: 1911 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

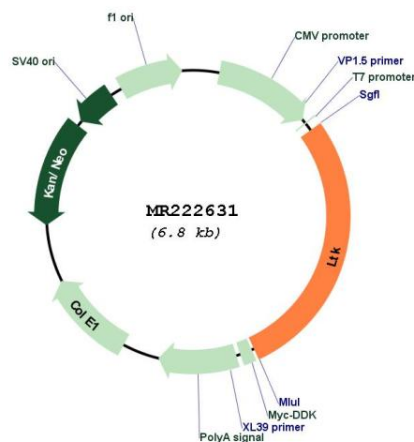
UniProt ID: [P08923](#)

Cytogenetics: 2 59.97 cM

MW: 68.8 kDa

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]

Product images:



Circular map for MR222631