

## Product datasheet for **MR222731**

### Ltk (NM\_008523) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR222731 representing NM\_008523  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

CTGGAGACCCGCGCGCGCGCCGGCAGCGCGGGAGAGAGGCGCGGAGCGCGGTGATACTTCTGAGT  
 CTGACCTCCTCTGGGCTGATGGGAAGATGGCACATCCTTTGTCCACCCAGTGGTGAGCTTACCTACA  
 GCCTCTGGCAGTCACAGAGGGCCATGGGAGGTGGAGATCCGAAAGCATCCCAACTGCAGTCACTGCCCT  
 TTCAAAGACTGCCAGTGGCAGGCAGAGCTCTGGACGGCCGAATGCACGTGCCAGAGGGCACGGAGCTAG  
 CTGTGGATAATGTCACCTGCATGGACCTGCCAACCACCGCAAGCCCTCTGATCCTGATGGGAGCTGTAGT  
 GGCAGCCTTGGCACTGAGTCTCCTAATGATGTGTGCAGTCTGATTCTAGTGAACCAGAAGTGTACGGGC  
 CTGTGGGGACCAGGCTGCCAGGCCCTGAGCTTGAAGCAAGCTTCGATCCTCTGCCATCAGGACAG  
 CACCCAACCCCTACTATTGTGAGGTGGGACTCAGTCTGCCAGCCCTGGCCCTTTGCCCCAGGGCTCAC  
 TGAGGTTTCACCAGCCAATGTCACCTCTACTCAGAGCCCTTGCCATGGTGCCTTTGGGGAAGTGTACGAG  
 GGAAGTGTACTGCTTCTCTGGGACTCCAGTCTCTCCAGTGGCTATTAAGACTCTGCCAGAGCTCT  
 GCTCCCATCAGGATGAGCTGGATTTTCTCATGGAGGCTCTGATCATCAGCAAGTTCAGCCATCAGAACAT  
 TGTACGCTGTGTGGGCTCAGCTTTCGGTCTGCCCGCGCCTCATTCTGCTGGAGCTGATGTCTGGTGGG  
 GACATGAAGAGCTTTTTGAGGCACAGCAGACCACCCAGGACAAGTGGCACCTCTGACCATGCAGGACC  
 TATTGCAGCTGGCCAGGATATAGCCAGGGCTGCCACTACCTGGAGGAAAATCACTTCATTACAGAGA  
 CATTGCTGCCGTAAGTGTCTGCTTAGCTGCAGTGGAGCCAGCCGAGTGGCAAGATTGGAGATTTGGA  
 ATGGCAAGAGATATCTACCAGGCCAGTTATTATCGCAAGGGTGGCCGGACCTTCTCCAGTCAAGTGA  
 TGCCGCCAGAAGCTCTCTGGAGGCTTTTACATCCAAGACAGACTCCTGGTCTTTTGGGGCTCTGCT  
 CTGGGAGATCTTCTCACTGGGGTATATGCCCTACCCTGGACATACCAACCAGGAGTTCAGACTTCATT  
 GCCACAGGGAACAGGATGGACCCTCTAGAACTGTCTGGGCCAGTGTACCGAATCATGACCCAGTGT  
 GGCAGCATCAGCCGAGCTCCGCCCTGACTTTGGCAGCATCTTGAACGGATTCACTACTGCACTCAGGA  
 CCCTGATGTGCTGAACTCACCCCTGCCCGTGGAACTGGGCCATTCTAGAGGAGGAAGAGGCTCCAGG  
 CTGGGAAACAGGTCAGTGGAGGGTCTTAGATCCCCAAAGCCCTAGAGCTGAGTTCTCAGAACTGAAGA  
 GCTGGGGAGGAGGCTTCTGGCTTGGCTGCCCTCTGGCTCAAGACCCTCAAACCCAGGTGCCTCCA  
 ACCTCAGAACATTTGAAACCCACCTATGGCTCTGGACCCCAAGGGGCCCCAGGGTGAAGATACAGGC  
 ATTGAACACTGCAATGGCTCCTCTCAAGTTCATTCCAGGCATCCAG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222731 representing NM\_008523  
 Red=Cloning site Green=Tags(s)

LETAAAPGSGRGAAGDTSSEDLWADGEDGTSFVHPSGELYLQPLAVTEGHGEVEIRKHPNCSHCP  
 FKDCQWQAEWLTAECTCEGTELAVDNVTCDLPTTASPLILMGAVVAALALSLMMCAVLILVNQKCGQ  
 LWGTRLPGELELSKLRSSAIRAPNPYYCQVGLSPAQPWPLPPGLTEVSPANVTLRLALGHGAFGEVYE  
 GLVTGLPGDSSPLPVAIKTLPELCSHQDELDFLMEALIIISKFSHQNIIVRCVGLSFRSAPRILLELMSGG  
 DMKSFLRHSRPHQPLAPLTMQDLLQLAQDIAQGCHYLEENHFIHRDIAARNCLLSCSGASRVAKIGDFG  
 MARDIYQASYRKGGRLLPVKWWPPEALLEGLFTSKTDSWSFGVLLWEIFSLGYMPYPGHNTQEVLDI  
 ATGNRMDPPRNCPPVYRIMTQCWQHQPRLPFDGSLERIQYCTQDPDVLNSPLPVEPGPIEEEEASR  
 LGNRSLRSPKPLELSSQNLKSWGGLLGSWLP SGLKTLKPRCLQPQNIWNPTYGSWTPRGPQGEDTG  
 IEHCNGSSSSSIPGIQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9029\\_h12.zip](https://cdn.origene.com/chromatograms/mm9029_h12.zip)

**Restriction Sites:**

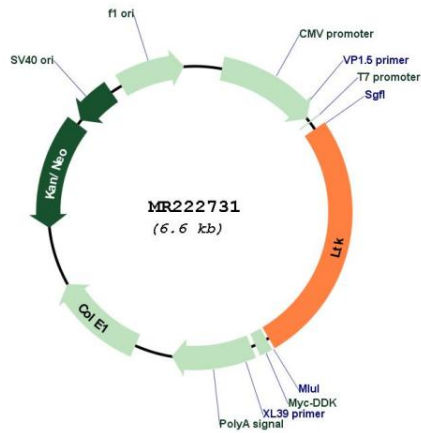
SgfI-MluI



**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 MR222731