

Product datasheet for **MG225384**

Limk1 (NM_010717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Limk1 (NM_010717) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Limk1
Synonyms:	KIZ-1; Limk; LIMK-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225384 representing NM_010717
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGTTGACGCTACTTTGTTGCACCTGGAGGGAAGAACGTATGGGAGAGGAAGGAAGCGAGTTGCCTG
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 GGCTGGTCATGGTGGCTGGGAGCTGAAGTACCACCTGAGTGTTCATCTGCCTCGCTGTGGAAACTT
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 ACCTACGGCGGGGCGAGAGTCACTGCCTGCCACCCCGAGGTCCCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225384 representing NM_010717
 Red=Cloning site Green=Tags(s)

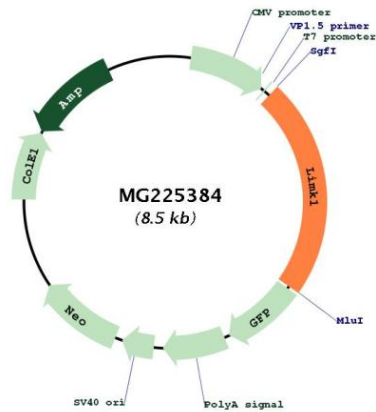
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 PDVKNSIHVGDRILEINGTPIRNVPLDEIDLLIQETSRLQLTLEHDPHDSLGHGPVSDPSLSSPVHTP
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 GQAIKVTTHRETGEVVMKELIRFDEETQRTFLKEVKVMRCLHHPNVLKFIVGLYKDKRLNFITEYIKGGT
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 LNVRGFLDRYCPNCPSPFFPITVRCCDLPEKRPSFVKLEQWLETLRMHL SGHLPLGPQLEQLERGFWE
 TYRRGESSLPAHPEVPD

TRTRPLE - GFP Tag - V

Cytogenetics: 5 G2

Gene Summary: This gene encodes a member of the LIM kinase family of proteins. This protein is a serine/threonine kinase that regulates actin polymerization via phosphorylation and inactivation of the actin binding factor cofilin. This protein also stimulates axon growth and may play a role in brain development. Homozygous knockout mice for this gene exhibit reduced bone mass, abnormal neuronal morphology and altered synaptic function. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MG225384