

Product datasheet for **MG209666**

Limk2 (BC007129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Limk2 (BC007129) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Limk2
Synonyms:	Limk2a, Limk2b, 9430059K01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209666 representing BC007129
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCGCGCTGGCGGGTATGAAGCCTGGAGGTGTCGGGGCTGTGGCACCTATGTTCCCTGAGCCAGA
 GGCTCTATAGGACTGCCAATGAAGCCTGGCATGGCTCCTGCTCCGGTGTCCGAATGCCAGGAATCCCT
 CACCAACTGGTACTATGAGAAGGATGGGAAGCTGTACTGCCACAAGGACTACTGGCCAAGTTTGGAGAA
 TTCTGCCATGGGTGCTCCCTGCTGATGACGGGGCCAGCCATGGTGGCTGGGGAGTTTAAGTACCACCCAG
 AGTGCTTTGCCTGCATGAGTTGCAAGGTGATCATTGAGGATGGAGATGCATATGCCCTGGTGACGACGC
 TACTACTGTGGGAAGTGCCACAACGAGGTGGTGTGGCACCCATGTTTAAAAGACTGTCTACAGAG
 TCTGTCCAGGATCAGCTGCCCTACTCTGTACGCTCATCTCCATGCCTGCTACCACCGAGTGTAGACGG
 GCTTCTCGGTGACTGTGAAAAGTGCCTCTTCTAACTATGCCACCACCGTTCAAGTAAAAGAGGTCAACCG
 GATGCACATCAGTCCCAACAACCGAAATGCCATCCACCCTGGGGACCGCATCTTGGAGATCAATGGGACC
 CCTGTCCGTAATCTGCGAGTAGAGGAGGTGGAGGATGCAATAAAGCAGACAAGCCAGACACTTCAGCTGC
 TGATTGAACATGACCCTGTGCCCCAGCGCTGGACCAGCTACGGCTAGATGCCCGACTTCCTCCCCACAT
 GCAGAGCACCGGACACACGCTCATGCTCAGCACCTGGACACCAAGGAGAATCAGGAGGGGACACTGAGG
 AGACGTTCTTGAGGCGCAGTAACAGCATCTCCAAGTCTCCGGGCCCCAGCTCCCCAAGGAGCCCTGC
 TCCTCAGCCGGGACATAAGCCGCTCAGAATCCCTCCGCTGCTCTAGCAGTACTCCCAGCAGATCTCCG
 GCCCTGCGACCTGATCCACGGGGAGTCTGGGAAGGGCTTCTTTGGCAGGCCATCAAGGTGACTCAC
 AAAGCCACAGGCAAAGTGATGGTCATGAAGGAGTTGATCCGCTGTGATGAGGAAACCCAGAAGACTTCC
 TGACTGAGGTGAAAGTGATGCGGAGCCTGGACCACCTAATGTGCTCAAGTTCATCGGAGTCTGTACAA
 GGACAAGAAGCTGAATCTGCTGACCGAGTACATCGAGGGAGGCACACTCAAAGACTTCCTGCGCAGTGTG
 GACCCGTTCCCTGGCAACAGAAGTACAGTTTGGCAAAGGCATCTCCTCTGGAATGGCCTATTTACT
 CCATGTGCATCATCCACCGGACCTGAACTCACACAAGTGTCTCATCAAATGGACAAGACAGTGGTAGT
 AGCCGACTTTGGGCTGTACGGCTTATAGTAGAAGAGAGGAAAAGGCCTCCAGTAGAGAAGGCCACCACC
 AAGAAACGCACCTTACGCAAGAGTGACCGCAAAAAGCGCTACTGTGGTGGGAAACCCCTACTGGATGG
 CCCCCGAGATGCTGAATGGCAAGAGCTACGATGAGACGGTGGATGCTTCTCTTTGGGATGTTCTCTG
 TGAGATCATTGGCAGGTATATGCGGATCTGATTGCCTGCCCGCACACTGGACTTTGGCCTCAATGTT
 AAGCTTTCTGGGAGAAGTTTGTCCAACAGACTGTCCCCAGCCTTCTCCCCCTGGCTGCTATCTGCT
 GCAAACACTAGAGCCTGAAAGCAGACCGGCATTCTCAAAGCTGGAGGACTCGTTCGAGGCGCTCCCTGTT
 CTTGGGGGAGCTGGCCATCCCCTGCCAGCAGAGCTGGAAGACCTGGACCACACTGTGAGCATGGAGTAT
 GGCTAACCCGGGACTCGCCACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209666 representing BC007129
 Red=Cloning site Green=Tags(s)

MAALAGDEAWRCRGCYVPLSQRLYRTANEAWHGSCFRCSECQESLTNWYYEKDGKLYCHKDYWAKFGE
 FCHGCSLLMTGPAMVAGEFKYHPECFACMSCKVIEEDGDAYALVQHATLYCGKCHNEVVLAPMFERLSTE
 SVQDQLPYSVTLISMPATTECRRGFSVTVESASSNYATTVQVKEVNRMHISPNNRNAIHPGDRILEINGT
 PVRTLRVEEVEDAIKQTSQTLQLLIEHDPVPQRLDQLRLDARLPPHMSTGHTLMLSTLDTKENQEGTLR
 RRSLRRSNSISKSPGPSSPKPELLL SRDISRSESLRCSYSYQQIFRPCDLIHGEVLGKGFQGAIKVTH
 KATGKVMVMKELIRCDEETQKFTLTVKVMRSLDHPNVLKFIGVLYKDKKLNLLTEYIEGTLKDFLRV
 DPFWQKVRFAKGISSGMAYLHSMCIHRDLNHNCLIKLTKTVVADFGLSRLIVEERKRPVVEKATT
 KKRTLKSDRKKRYTVVGNPYWMAPEMLNGKSYDETVDVFSFGIVLCEIIGQVYADPDCLPRTLDFGLNV
 KLFWEKVPDTPPAFFPLAAICCKLEPESRPAFSLKLEDSFEALSFLGELAIPLPAELEDLHTVSMY
 GLTRDSPP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: BC007129

ORF Size: 1916 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: [BC007129](#), [AAH07129](#)

RefSeq Size: 3375 bp

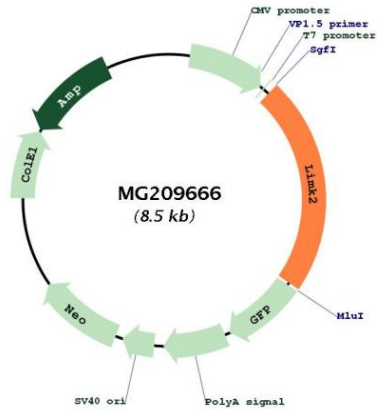
RefSeq ORF: 1916 bp

Locus ID: 16886

Cytogenetics: 11 A1

Gene Summary: Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209666