

Product datasheet for **MC218651**

Lgi4 (NM_144556) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgi4 (NM_144556) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lgi4
Synonyms:	clp; Lgil3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218651 representing NM_144556
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAGGGGCGGCATCTTGTGTTCTGTTGGCTTGGCTGGGCAGGAGTGGCTGGAGTCCCCCA
 AAGGAAAGTGCCCTCCACACTGCTCCTGCTCCAAGGAGAACCCCTGTGTGAGGGCTCCCCGAGCTGCC
 TGAGAGCTTCTCCACCAGCTCCTGTCCTCTCTCGTCAGGATGGGGTCTCCCGCTGAAGGCTGGC
 AGCTTCTTAAAGATGCCGTATTGCACCTGCTCCTTCCACATCCAATACCTTCTCTGTAATTGAGGGTG
 ATGCCCTCATCGGCTGTCTACCTGCAGTACCTTTCATTGAGGACAACAAGATTGGCTCCATCTCCAA
 GAACGCCCTGAGGGGACTTCGCTCACTACCCACCTAAGCCTGGCCAACAACCACCTCGAGGCTCTACCC
 AGATTCCTGTTCCGAGGCTTGGAGACTCTGACTCATGTGGACCTCCGTGGTAACCCGTTCCAGTGCAGT
 GCAGAGTACTTTGGTTGCTACAGTGGATGCCTACGGTGAATGCCAGTGTGGGCACAGGGGCTGTGCGGG
 TCCCCCTGCCGTTGCTCAGATACAACCTGAATCACCTTGACCCTAAGAAGTTCAAGTGTAGAGCCACAGAA
 CTGTCTGGCTCCAGACTGTTGGGGAGTCGGCACTGAGCGTGGAGTCTTCTCTATCAGGGGAAACCTC
 ACATGGTCTGGCCAGCCCTTCGCTGGCCGTTGCCTGATCCTGGTGTGGGACTACAGCCTGCAACGCTT
 CAGGCCTGAGGAGGAGCTGTCTGCGCCCTCAGTGGTGTCTGCAAGCCTCTGGTGTGGGCCACGCCTC
 TTCATACTGGCTGCCCGCTGTGGGGAGGCTCACAGCTGTGGTCGCGGTCCAGCCCCGACCTGCGTCTGA
 CCCCCGTGAGGCTCTAGCCCCCAACGGCTGCTGCGACCCAATGATGCCGAGCTCCTCTGGCTGGATGG
 GCAGCCCTGCTTCGTGGTGGCTGATGCCTCAAGGCTGGCAGCACCACGCTGCTGTGTGATGGGCCG
 GGCTTCTACCCACGCCAGAGCCTGCACGCTGGCACCAGATACCGATGCCGAGGCCCTGGAGCTGGATG
 GCCGACCGCATCTGCTGCTTGCCTCAGCCTCCCAGAGGCTGTGCTCTTCACTGGGTTGGTGGCCGTT
 CGAGAGCGCACGACATCCCAGAGGCAGAGGAGTCTATGCCACAAAACACTTTCAGGCTGGAGGAGAT
 GTTCTCTGTGCCTGACGCGATACATTGGGACTCCATGGTCATGCGCTGGGACGCTCCATGTTCCGAC
 TGTACAGCAACTCCATCCCGAGGGTCCCATGTCTTCCAGCCTACTAATTGCCAGAGACCAGTTGGC
 TATCCTGGGCAGCGACTTCGCTTCCAGCAAGTCTTCCGCTTGGAGTCCGATAAAGGGATCCTGGAGCCA
 CTACAGGAGTTGGGCCACCGCCTTGGTGGCCCTCGAGCCTTGGCCAAAGTACCCTAGCAGGAAGAC
 GCTTCTATTGCGAGCGTCTTCAAGGGCCCCACGAGATCTACCAGCACCATGAATTGGATCTCAGTGC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_144556

Insert Size: 1614 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:

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_144556.2](#), [NP_653139.2](#)

RefSeq Size: 3444 bp

RefSeq ORF: 1614 bp

Locus ID: 243914

UniProt ID: [Q8K1S1](#)

Cytogenetics: 7 19.29 cM

Gene Summary: Component of Schwann cell signaling pathway(s) that controls axon segregation and myelin formation.[UniProtKB/Swiss-Prot Function]