

Product datasheet for MC203484

Lgi1 (NM_020278) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgi1 (NM_020278) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lgi1
Synonyms:	BB130740
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC066090
 CAGAGAAGGGTGGACTCCTATGTGACCTGTTCTTAGAGCAAGACAATCAGCAGCTGAATTCAGAAGCCC
 TGTTTCATGTGTGGGATATTCTCTCGACTGCATGGAATCAGAAAGCAGCAGAAGGATGGGAAATGCCTGC
 ATTCCCCTGAAAAGAATTGCCTATTTCCCTATGCCTCTTTTCTGTGGTTTTGCTGACTGAGGGGAAGAAAC
 CAGCGAAGCCAAAATGCCTGCCGTGTGTACTGTAGCAAAGATAACGCTTTATGTGAGAATGCGAGATC
 CATTCCACGCACCGTTCCTCCTGATGTTATCTCACTATCCTTTGTGAGATCTGGTTTTACTGAAATCTCA
 GAAGGGAGTTTTCTATTACACCATCGCTGCAGCTCTTGTATTTACGTCGAACTCCTTTGATGTGATCA
 GTGATGATGCTTTTATTGGTCTTCCACATCTAGAATATTTATTCATAGAAAACAACAATATCAAGTCCAT
 TTCAAGACATACTTTCCGGGACTCAAGTCTTTGATTCACTTGAGTCTTGCAAACAACAATCTCCAGACA
 CTCCAAAAGACATTTTCAAAGCCTGGATTTCCTTAACAATGTGGACCTAAGAGGGAACGCATTTAATT
 GTGACTGTAAGTTGAAGTGGCTGGTGGAAATGGCTCGGCCATACCAATGCAACTGTGGAAGACATCTACTG
 TGAAGGCCACCGGAATAAAGAAACGGAAAATCAATAGCCTCTCCCCCAAGGATTTTGACTGTATCATT
 ACAGAATTTGCAAAGTCCCAAGACCTACCTTATCAGTCGCTGTCCATAGACACTTTTTCTTATTTGAATG
 ATGAATATGTAGTCATTGCTCAGCCTTTTACTGGAAAATGCATTTTCTGGAATGGGACCACGTAGAGAA
 GACCTTCCGGAATTATGACAACATTACAGGCACGTCCACTGTGGTGTGCAAGCCCATAGTTATTGACACT
 CAGCTCTATGTCATTGTGGCCAGCTGTTTGGTGGCTCTCATATCTATAAGCGAGATGGTTTTGCAAACA
 AATTCATAAAAAATCCAAGATATTGAAGTCTCAAATTCGAAAACCAATGACATCGAAACATTCAAGAT
 TGAAGACAACCTGGTACTTCGTTGTCGCTGACAGTTCAAAAGCTGGGTTTACTACCATTTACAAGTGAAT
 GGAACCGGATTCTACTCCACCAATCCTTACATGCCTGGTACAGGGATACTGATGTGGAATACCTTGAAA
 TAGCCAGACCACCATTTGGCCCTCAGAACACCTCATTTAATCCTGTCCAGTAGTTCTCAGGCCCTGTTAT
 TTACCAGTGGAGCAAAGCAACACAGCTATTCACTAACCAAAACCGACATTCTAACATGGAGGACGTATAC
 GCGGTGAAGCACTTCTCTGTGAAAGGTGATGTGTACATCTGCTTGACCAGATTCAATGGCGACTCTAAAG
 TCATGAAGTGGGCGGCTCCTCCTTCCAGGACATCCAGAGGATGCCATCTCGAGGATCCATGGTGTCCA
 ACCTCTTCAGATAAATAATTACCAATATGCAATTCTCGGAAGCGATTACTCCTTTACTCAAGTGTATAAC
 TGGGATGCAGAGAAAGCCAAATTTGTGAAGTTTCAGGAGTTAAACGTTTCAGGCACCCAGATCATTACAC
 ACGTATCCATTAATAAGCGTAATTTTCTCTTTGCTTCCAGTTTTAAGGAAAACACGCAGATTTACAACA
 TGCATAGTTGACTTAAGCGCATGAGACACCAACTCCACGGCTGCCATCGGAACTTTCTACAGTGCCT



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GACCTGGATGAACTCAATGCATGATGACTCTTCTTATCACACTTGCAGATGAATACCTTTCAACACTGAG
 ACTGCTAAAGCCAATACTACCAGTATCACCATCCTTAACTGTCCGGTCCAGTGGTGTGGGAAGTTACCTT
 TTATAAGACAAAAGTTTCCTTATGTAAGTGTCTTTGCAGTGAAGATGTGTAATAAGCGTTTAAATGGCA
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 GGACCTTCTGAATATCTAACTCTAGAGTCTCCTGACAGCTGGTAGATTGTAATTTATGGAGAGCACTTGC
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 CTGTGACTGACCTGCCACACAGTGCCTGTGAGGCTCATGTTTGATTTTCTAGATTCTGCTTCTGGATCA
 CTTGAGTCATTAGTAGCTAGCACAAATGCCTGTTATGTACATGTAGGCTCTCAAACATTGCTTTTCAAAGG
 CTGAGGATATAGTTTACGGAAAAGTACTCAATGTGGCCTGTGTAACCTGGAGTTCAATTTCCAGCAT
 AAAACAAAAGAGTTTGCAGGGGTGGAGGGGAACGAGTACTCCTTCTCTATAATAAACTCCACGGGTC
 CCTCTGACCTATCGAGTACTTACTGGCTACTTGTTCAGAATATGGTGTGGTTGTGGGTAACATAACAGG
 AGGAGGGTGCAATGCTCACCCCTCTGTAGTCTTGAAAAAGATTGGCAGCGGGCTAAATATACAAAAACATC
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 AGCAACTTTGGGGAAGCTATGCTCTTCTGCTGACTTAAAGGGAAGAGGCAAAAAGAAAGTGTGTAGGGGAG
 ACATTGCGGGCACAACTGGTTATGTGTGCTGCCTCTATGGAGAGCTTTTGTAGCTTGCTATGTTCCCACT
 GGATGGAGGTAGGAGACAGCAGTACCCTCTGCCAGGATAAGTCTGGTTGCCTGGAGCATCAGGGGCTCT
 CCACAATAATCACACAGTCTCCAAAGAAGCAACACCCTGGGTACCACGCACAAAGACAGAATTTTATTA
 TCCATCTAGAAAAGATAGTAGATTTGGCTTCCAGAGTGATAAGGAAGAGGAAAGCTTAACTCCTGATCATT
 CGCTGGCCTTGGAAATGCCTTTTCTTTGTTCTAATAAGCAACATCATCATATGCTGCTGGAGGACGCTG
 CACTGTACAGTCCGAGTTGAAATCTAGCTCTGCCATGCACAGGCTTTGTAACAGGAAAGATCTTAACCAA
 CCTGAGCCACTTCTTATTCTGTAAGATGGATAACAAAACCTACTTCTGAGAAGAGGGATAAATGAGAA
 AACCCGTGAACAGCAGATGGTATTTTTTCCAAATACATCCCTACCGCACCTTGAACCCCAACGCTGTG
 AGACCTTGTCCAAAATTTCACTAAGAGGTAGCATCGAACTCACCTGAATGGTTGGTACTTGTGTTAATA
 CGTTGAATTTGGTAAAAGTGATAGTTTGGCTTCCACGCTAAGTCATAAAAACCATGAACCTCTTCTTGC
 TTGCAAAATGGAACACTTGCCTGCAGAGCCAGAACATCTGCATAAGAAGTCTTTCTAACAGAGGCCAT
 TCTTCTTTGTTGAAAACCAATCCCTCGGGAGCAACCACCTCCTGGTGTCTGGTCAACAGGCCAGCTG
 GTGTTGCAGCAACAGCCATCATCAACCACAGTCTGTAAAGCCTACAGCTCCAGACCGTGTGGTCAAG
 TTCTTACCAGACATCAGACCTTCCACCTAAGGGGAGCCATTAAGAGCAGCAAGCCATCCACAATATC
 CCTGCCAAAATTTGTGACCCGGACTCTATGAGAATAATAAAGTGGTTGTTTTAAATGGAAAAAAAAAAAAA AAAAAAAAAAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_020278

Insert Size:

1674 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: [BC066090](#), [AAH66090](#)

RefSeq Size: 4285 bp

RefSeq ORF: 1674 bp

Locus ID: 56839

UniProt ID: [Q9JIA1](#)

Cytogenetics: 19 C3

Gene Summary: Regulates voltage-gated potassium channels assembled from KCNA1, KCNA4 and KCNAB1. It slows down channel inactivation by precluding channel closure mediated by the KCNAB1 subunit. Ligand for ADAM22 that positively regulates synaptic transmission mediated by AMPA-type glutamate receptors. Plays a role in suppressing the production of MMP1/3 through the phosphatidylinositol 3-kinase/ERK pathway (By similarity).[UniProtKB/Swiss-Prot Function]