

Product datasheet for **MC218788**

Lgi3 (NM_145219) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Lgi3
Synonyms:	AI841179; AW049851
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC218788 representing NM_145219
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCCGGGTACGAGCCAGGCGGGGCCCTGGGCGCAGGCTACTGGTGTGTCCACGCTGGGTTTTTGGC
 TAATGCTGCAAGTCAGTGCCAAGAGACCTCCTAAGACGCCCCCTGCCACCCAGCTGCTCCTGCACCAG
 GGACACCGCCTTCTGCGTGGACTCTAAGTCGGTGCCCAAGAACCTGCCTTCAGAGGTCATCTCCCTGACG
 CTGGTGAATGCTGCCTTCTCAGAGATCCAGGATGGAGCCTTCTCCCATCTGCCGTTGTTGCAGTTCTTGT
 TACTCAACTCTAACAAGTTCACACTGATTGGAGACAATGCCTTCATAGGACTGTCGCACCTGCAGTACCT
 CTTTCATAGAGAACAATGACATCTGGGCTCTCTCCAAGTTTACCTTCAGAGGACTGAAGTCCTTGACACAC
 CTTTCTCTGGCCAACAATAACCTGCAGACACTGCCAGAGACATCTCCGTCCCTGGACATCCTGAGTG
 ACTTAGACCTCCGGGGCAACGCACTTAAGTGTGACTGCAAGGTAAGTGGCTGGTGGAGTGGCTGGCACA
 CACCAACACCACGGTGGCTCCCATCTACTGCGCCAGCCCGCCCGCTTCAGGAACACAAGTGCAGGAC
 TTGCCTCTTCGAGAATTCGACTGCATCACCCTGATTTTGTCTCTACCAGACCCTGTCTTCCCAGCAG
 TGTCTGCGGAACCTTTCCTTTACTCTAGTGACCTCTACTTGGCTCTGGCCAGCCAGGTGCCAGCGCCTG
 CACCATCCTCAAGTGGGACTATGTGGAACGACAGCTTCGAGACTATGACAGAATTCAGCCCTTCAGCT
 GTGCACTGCAAGCCGATGGTGGTGGATGGCCAGCTCTATGTCGTTGGGCCAGCTGTTGGTGGCTCAT
 ACATTTACCACTGGGACCCCAACACCACAGCTTTCACCAAGTTGCAGGACATCGACCCACAGCGCGTGCG
 CAAACCCAATGACCTGGAAGCCTTCGCGATCGACGGTGAAGTGGTTTTTCGAGTGGCTGACAGCTCCAAG
 GCAGGTGCCACCAGCCTCTACCGTTGGCACCAGAATGGCTTCTATCCCACCAGGCCCTGCACGCTGGC
 ACCGCGACACCGACCTGGAGTTTGTGGACGGTGAAGGCAACACGTTAATTGTGTCTAGCAGCTCGCA
 AGCACCTGTCTATCAATGGAGTCGTTCTCAGAAACAGTTTGTGGCTCAGGGAGAGGTGACTCAGGTA
 CCTGATGCCCAGGCGGTAAACACTTTCGTGCTGGCCGAGACAGCTACCTGTGCCTTAGCCGCTACATTG
 GCGACTCCAAGATCCTGCGCTGGGAAGGTACCGTTTCTCTGAGGTGCAAGCCCTTCCCTCCCGAGGCTC
 GCTGGCCCTACAGCCCTTCTGGTGGTGGTCAACGCTACCTGGCCCTGGGCAGTGACTTCTCCTTACC
 CAGATCTACCAAGTGGGATGAGGGGCGACAGAAATTTGTACGGTTCCAAGAGCTGGCAGTACAGGCACCC
 GGGCCTTCTGCTACATGCTGCTGGAGATGCCAGCTGCTCTGGCCCCAGTTTCAAGGGACAAACACT
 GGTGTACCGACATGTTGTGGTGACCTTAGTGCC**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145219

Insert Size: 1647 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145219.4 , NP_660254.1
RefSeq Size:	3197 bp
RefSeq ORF:	1647 bp
Locus ID:	213469
UniProt ID:	Q8K406
Cytogenetics:	14 D2
Gene Summary:	May participate in the regulation of neuronal exocytosis.[UniProtKB/Swiss-Prot Function]