

Product datasheet for **RN212552**

Lgi4 (NM_199499) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgi4 (NM_199499) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lgi4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212552 representing NM_199499
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGGGGCAGGCATTCTGTTGTTCTGTTGGCCTGGACTGGGGCAGGAGTGTCTGGAGTCCCCCA
 AGGGAAAAGTGTCCACGCTGCTCCTGCTCCAAGGAGAGCACCCGTGTGTGAGGGCTCCCCGAGCTGCC
 TGAGAGCTTCTCCACCACGCTCCTGTCCTCTCTCGTCAGGATGGGGTCTCCCGCTGAAGGTGGA
 AGCTTTTTAAAGATGCCGTCACTGCCTTCTCTCTTCCAGTCCAATACCTTCTCTGTAATTGAGGGT
 ATGCCCTCATCGGCTGTCTACCTGCAGTACCTTTCATTGAGGACAACAAGATCGGCTCCATCTCTAA
 GAACGCCCTGAGGGGACTCCGCTCACTGACCCACCTAAGCCTGGCCAACAACCACCTTGAGGCTTACCC
 AGATTCCTGTTCCAAGGCTTGAGACTGACTCATGTGGACCTCCGTGGTAACCCGTTCCAGTGTGACT
 GCCGAGTACTTTGGTTGCTACAGTGGATGCCTATGGTGAATGCCAGTGTGGGCACGGGGCTGTGCGGG
 CCCCTCTGCCTTGTCAAATACTGAATCACCTCGACCCTAAGAAGTTCAAGTGTAAAGCCACAGAA
 CTCTCCTGGCTCCAGACTGTTGGGGAGTCGGCACTGAGCGTGGAGTCTTCTCTATCAGGGGAACTC
 ACATGGTCTGGCACAGCCCTTCGCTGGCCGTTGCCTGATCCTGGTGTGGGACTACAGCCTGCAGCGCT
 CAGGTCTGAGGAAGAGCTGTCCGCGCCCTCAGTGGTGTCTGCAAACCTCTGGTGTGGGCCACGCCCT
 TTCATACTGGCTGCTCGCCTATGGGGAGGCTCACAGCTGTGGTACCGTCCAGCCCCGACCTGCGTCTGA
 CCCCTGTGCAAGTCTAGCCCCCAACGGCTGTGCGACCCAATGATGCCGAGCTCCTGTGGCTGGATGG
 GCAGCCCTGCTTCGTGGTGGCTGATGCTTCCAAGGCTGGCAGCACCACGCTGTGTGTGATGGGCCG
 GGCTTCTACCCACGCCAGAGCTGCACGCTGGCACCACCGATGCAGAGGCCCTGGAGCTGGAGC
 GCCGACCCACCTGTTGCTTCCGCTCCAGAGGCTGTGCTTTCACTGGTTGGTGGCCGATT
 CGAGAGGCGCACAGACATCCAGAGGCAGAGGAGTCTATGCCACAAAACACTTTCAGGGCGGAGGAGAC
 GTTCTCTGTGCCTGACTCGATACATTGGGGACTCCATGGTTCATGCGCTGGGACGCTCCATGTTCCGTC
 TGCTGCAGCAACTCCATCTCGAGGCTCCATGTCTTCCAGCCACTACTAATTGCCAGCGACAGTTGGC
 CATTCTGGGCAGCGACTTCGCTTCCAGCAAGTCTTCCGCTTTGAGCCCGATAAAGGGATCCTGGAGCCA
 CTACAGGAGCTGGGCCACCGGCTTGGTGGCCCCGAGCCTTTGGCCAAGTCACTGTAGCAGGAAGAC
 GCTTTTTATTGCGAGCGTCTTCAAGGGGCCACGCAGATCTACCAGCACCATGAGTTGGATCTCAGTGC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_199499
- 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_199499.1](#), [NP_955793.1](#)

RefSeq Size: 2630 bp

RefSeq ORF: 1614 bp

Locus ID: 361549

Cytogenetics: 1q21

Gene Summary: human homolog is thought to be linked to idiopathic generalized epilepsy [RGD, Feb 2006]