

Product datasheet for MC229315

Llgl2 (NM_001252532) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Llgl2 (NM_001252532) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Llgl2
Synonyms:	9130006H11Rik; Llglh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229315 representing NM_001252532 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCGGTTCTGAGAACTGGACATGACCCTGCCCGGGAGAGGCTGAAGCGGGATCTGTTCCAGTTTA
ACAAGACAGTGGAGCATGGCTTCCACACCAGCCAGCGCCCTTGCTATAGCCCTTCGCTGCGCATCCT
GGCCATCGGAACCCGCTCTGGAGCTGTCAAGCTATATGGCGCCCCGGGTAGAGTTCATGGCCTTCAC
AAGGAGAAACAACGCAGTGTGCAGATCCACTTCTGCCTGGTCAAGTGTGCAGCTGGTCACTCTGCTGGATG
ACAATAGCCTGCACCTGTGGAGCCTGAAGGTCAAGGGCGGGTGTGAGAGCTGCAGGAAGAAGAGAGCTT
CACATTGCGTGGCCCCAGGGGCTGCCCCAGTGCACGAGGTCAGATTCTACCTCACTCTTCC
GGAGAACTGCTCTACCTGGCACCGAGAGCGGCAACGTGTTTGTGGTGCAGCTCCCGGGTTCGCGACGC
TGCACGACAGGACCATCTGTTTCAGATGAGGTGCTGCAATGGTTGCCAGAGGAGGCTCGCCACCGCGAGT
GTTTGAGATGGTGGAGGCTCTGCAGGAGCACCTCGAGACCCCAACAAATCCTCATTGGCTACAGCCGA
GGCCTCGTCGTCATCTGGGACCTCAGGGCAGCCGAGCGCTCAGTCAATTCCTCAGCAGCCGCAACTGG
AGAATGCCAGTGGCAGCGGATGGCTGCCTGATTGTACCTGCCACTCCGACGGCAGCCACTGCCAGTG
GCCCGTCTCCAGTGACACCCAGAACCAGAACCTCTGCGCAGCTCTATACCTTACGGTCCCTTCCCTTGC
AAAGCTATAACGAAAATCTTCTGGCTCACCACCAGGCAAGGGTTGCCCTTACCATCTTCCAGGGCGGTA
TGCCACGGGCCAGCTATGGGGACCGCCACTGCATCTCAGTGGTCCACAACGGCCAGCAGACGGCCTTCGA
CTTCACCTCCCGTGTCTTACTTCACTGTTCTCTCAGAGGCTGACCCTGCGGCTGCCTTTGATGACCCC
TACGCCCTGGTGGTGTAGCCGAGGAGAACTGGTAGTCATTGACCTGCAGACACCCGGCTGGCCACCAG
TCCAGCTGCCCTACCTGGCTTCTTGCAGTGTCCGCTATCACCTGCTCCACCACGTCTCCAACATCCC
CCTGAAGCTATGGGAACGCATCATCGCCGCGGGCAGCCGCGAGAAGTCACTTCTCCACCATGGAGTGG
CCCATAGATGGTGGCACCAGCCTGGCCCCACCGCCAGAGGGACCTGCTGCTCACAGGGCAGGAGG
ACGGCACGGTGGGTTCTGGGACGCTCCGGTGTGTGCTTACGTCTGCTCTACAAACTGAGCACTGTGAG
GGTGTTCCTCACAGACACGGACCCAGCGAGAACCTCATTGCCAGGGTGAGGACGAGTGGCCCCACTC



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CGCAAGGTGGGCTCCTTTGATCCCTACAGCGATGATCCGCGGCTAGGCATCCAGAAGATTTCTCTGCA
 AATACAGCGGCTACCTGGCTGTGGCAGGCACGGCAGGGCAGGTGCTGGTCTGGAGTTGAACGATGAGGC
 GGCCGAGCATGCTGTGGAGCAGGTGGAGGCTGACCTGCTGCAGGACCAGGAGGGTTACCGCTGGAAGGGG
 CACGAGCGCTCGCCGCCCGCCGGGGCCCGTGTGCTTTGAGGCGGGATTTACGCCCTTTGACTGGTGC
 AGTGCCAGCCCCAGCTGGTACCTCCTTGGCTCTGCACTCCGAGTGGCGGCTGTGGCCTTTGGCAC
 CAGCCATGGTTTCGGCCTCTTCGATCACCAGCAACGGCGGCAGGTCTTTGTCAAGTGCACACTTCACCCC
 AGTGACCAGCTGGCCTTGGAGGCCCTCTGTCTCGAGTAAAGTCCCTCAAGAAGTCTCTACGTACGTCAT
 TCCGTTCGGATGCGTCGCAGCAGAGTGTCCAGTCATAAACGGCGGCTGGTGGCCCCACAGGCGAGGTGAG
 GCCCCAGGCTCAGAGCAGCCATCTACAGACCATAACAGCTCTCCCTCAGGATCTGAATCCAGATCAAGCG
 CAGGCCAGGCTGTGAATATCAAGGCTGAGCGGACGGGCTGCAGAACATGGAGTTGGCGCCCGTCAAC
 GGAAGATTGAGGCTCGTCCGCGGAGGACTCCTTCACTGGCTTTGTCCGGACCCTCTATTTTCGCTGATAC
 CTACCTGAGGGACAGTTCGCCCACTGTCCCTCCCTGTGGGCTGGCACCAACGGAGGCACCGTCTACGCC
 TTTTCCCTGCGCGTGCCTCCTGCAGAAAGAAGAACAGATGAACCTGTCCGGCAGAGCAGGCCAAGGAGA
 TCCAGCTGATGCATCGCGCGCTGTGGTGGCATCCTGGTCTCGACGGACACAACGTGCCCTCCCGCA
 GCCCTGGAAGTCGCCATGACCTGTGAAGAGCCAGACATGCAAGGGAGCCACCAATTGCTTGTGGTG
 TCGGAGGAGCAATTCAAGGTATTCACACTGCCAAGGTGAGCGCCAAACTGAAGCTGAAGCTGACGCCCC
 TGGAGGGCTCACGGGTGCGGCGAGTCCGGTGTCCGCCACTTTGGCAGCTGCAGGGCTGAGGACTATGGGGA
 GCACCACCTGGCAGTGTCCAACTTGGGTGACATCCAGGTGGTCTCAATGCCCTGCTCAAGCCCCAG
 GTGCGGTACAGCTGCATCCGCCGGGAGGACGTCAGCGGCATAGCTTCTGTGCTTCCACCAATATGGCC
 AAGTTTCTATCTGATATCACCTTCGGAGTTCGAGCGCTTTTCTCTCCACCAAGTGGCTGGTTGAACC
 CCGGTGTTTGGTGGATTAACCAAAGCCAAGAAGCACAAACCGGCCAGCAATGGCAATGGCACAGGCCTC
 AAAATGACCTCCTCAGGCCACGTGAGAACTCAAAGAGCCAAAGTATGGAGATGAGAAGAAGCCGGGCC
 CAGTGATGGAGCACGCGCTGCTCAATGACGCGCTGGTCTAAAGGAAATCCAGAGCACGCTGGAGGGGA
 CCGGAGGAGCTATGGCAATTGGCATCCTCACCGGTGGCTGTGGGTTGCAGGCTCAGCAATGGAGAAGCA
 GAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001252532

Insert Size:

3156 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001252532.1](#), [NP_001239461.1](#)

RefSeq Size: 3629 bp

RefSeq ORF: 3156 bp

Locus ID: 217325

UniProt ID: [Q3TJ91](#)

Cytogenetics: 11 E2

Gene Summary: Part of a complex with GPSM2/LGN, PRKCI/aPKC and PARD6B/Par-6, which may ensure the correct organization and orientation of bipolar spindles for normal cell division. This complex plays roles in the initial phase of the establishment of epithelial cell polarity (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) has an alternate splice site in the central coding region, which does not affect the reading frame, compared to variant 1. The resulting isoform (2) has an additional segment, compared to isoform 1.