

## Product datasheet for MR231526

### Llgl2 (NM\_001252532) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Llgl2 (NM\_001252532) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Llgl2  
 Synonyms: 9130006H11Rik; Llglh2  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >MR231526 representing NM\_001252532  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGCGGTTCTCTGAGAACTGGACATGACCCTGCCCGGAGAGGCTGAAGCGGGATCTGTTCCAGTTT  
 ACAAGACAGTGGAGCATGGCTTCCACACCAGCCAGCCGCTTGGCTATAGCCCTTCGTCGCGATCCT  
 GGCCATCGGAACCGCTCTGGAGCTGTCAAGCTATATGGCGCCCCGGGGTAGAGTTCATGGCCCTCAC  
 AAGGAGAAACAACGCAGTCTGCAGATCCACTTCCTGCCTGGTCAAGTGTCAAGGCGGGGTGTGAGAGCTGCAGGAAGAAGAGAGCTT  
 ACAATAGCTGCACCTGTGGAGCCTGAAGTCAAGGGCGGGGTGTGAGAGCTGCAGGAAGAAGAGAGCTT  
 CACATTGCGTGGCCCCCAGGGGCTGCCCCAGTGCACGCGAGGTCAGTGAATTCTACCTCACTCTTCC  
 GGAGAAGTGTCTACCTGGGCACCGAGAGCGGCAACGTGTTTGTGGTGCAGCTCCCGGGTTCGCGACGC  
 TGCACGACAGGACCATCTGTTGAGATGAGGTGTGCAATGGTTGCCAGAGGAGGCTCGCCACCGGCGAGT  
 GTTTGAGATGGTGGAGGCTCTGCAGGAGCACCTCGAGACCCCAACAAATCCTCATTGGCTACAGCCGA  
 GGCTCGTGTGATCTGGGACCTCAGGGCAGCCGAGCGCTCAGTCATTCCTCAGCAGCCAGCAACTGG  
 AGAATGCCAGCTGGCAGCGGGATGGCTGCCTGATTGTACCTGCCACTCCGACGGCAGCCACTGCCAGTG  
 GCCCGTCTCCAGTGACACCCAGAACCAGAACCCTCTGCGCAGCTCTATACCTTACGGTCCCTTTCTTGC  
 AAAGCTATAACGAAAATCTTCTGGCTCACACCAGGCAAGGGTTGCCCTTACCATCTTCCAGGGCGGTA  
 TGCCACGGGCCAGCTATGGGGACCGCCACTGCATCTCAGTGGTCCACAACGGCCAGCAGACGGCCTTCGA  
 CTTACCTCCCGTGTCTTACTTCACTGTTCTCTCAGAGGCTGACCCTGCGGCTGCCTTTGATGACCCC  
 TACGCCCTGGTGGTGTAGCCGAGGAGAACTGGTAGTCATTGACCTGCAGACACCCGGCTGGCCACCAG  
 TCCAGTGCCTACCTGGCTTCTTGCAGTGTCCGCTATCACCTGCTCCACCACGCTCTCAACATCCC  
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 ACGGCACGGTGGCTTCTGGGACGCTCCGGTGTGTGTTACGCTGCTCTACAACTGAGCACTGTGAG  
 GGTGTTCTCACAGACACGGACCCAGCGAGAACCCTATTGCCAGGGTGAGGACGAGTGGCCCCACTC  
 CGCAAGGTGGGCTCCTTTGATCCCTACAGCGATGATCCGCGGCTAGGCATCCAGAAGATTTCTCTGCA



AATACAGCGGCTACCTGGCTGTGGCAGGCACGGCAGGGCAGGTGCTGGTCTGGAGTTGAACGATGAGGC  
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 CACGAGCGCCTCGCCGCCCGCCGGGGCCCGTGTGCTTTGAGGCGGGATTTACGCCCTTTGACTGGTGC  
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 GCCCCAGGCTCAGAGCAGCCATCTACAGGACCATACAGCTCTCCCTCAGGATCTGAATCCAGATCAAGCG  
 CAGGCCAGGCTGTGAATATCAAGGCTGAGCGGACGGCCTGCAGAACATGGAGTTGGCGCCCGTGAAC  
 GGAAGATTGAGGCTCGCTCCGCGGAGGACTCCTTCACTGGCTTTGTCCGGACCCTCTATTTTCGCTGATAC  
 CTACCTGAGGGACAGTTCGCCCACTGTCCCTCCCTGTGGGCTGGCACCAACGGAGGCACCGTCTACGCC  
 TTTTCCCTGCGCGTGCCTCCTGCAGAAAGAAGAACAGATGAACCTGTCCGGCAGAGCAGGCCAAGGAGA  
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 GCCCTGGAAGTCGCCATGACCTGTGAAGAGCCAGACATGCAAGGGAGCCACCAATTGCTTGTGGT  
 TCGGAGGAGCAATTCAAGGTATTCACACTGCCAAGGTGAGCGCCAACTGAAGCTGAAGCTGACGCCCC  
 TGGAGGGCTCACGGGTGCGGCGAGTCGGTGTGCGCCACTTTGGCAGCTGCAGGGCTGAGGACTATGGGGA  
 GCACCACCTGGCAGTGTCCAACTTGGGTGACATCCAGGTGGTCTCAATGCCCTGCTCAAGCCCCAG  
 GTGCGGTACAGCTGCATCCGCGGGAGGAGCTCAGCGGCATAGCTTCTGTGCTTACCAAATATGGCC  
 AAGTTTCTATCTGATATCACCTTCGGAGTTCGAGCGCTTTTCTCTCTCCACCAAGTGGCTGGTTGAACC  
 CCGGTGTTTGGTGGATTCAACCAAAGCCAAGAAGCACAAACCGGCCAGCAATGGCAATGGCACAGGCCTC  
 AAAATGACCTCCTCAGGCCACGTGAGGAAGTCAAAGAGCCAAAGTATGGAGATGAGAAGAAGCCGGGCC  
 CAGTGATGGAGCACGCGCTGCTCAATGACGCGCTGGTCTAAAGGAAATCCAGAGCACGCTGGAGGGGA  
 CCGGAGGAGCTATGGCAATTGGCATCCTCACCGCTGGCTGTGGGTTGCAGGCTCAGCAATGGAGAAGCA  
 GAA

ACGCGTACGCGGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR231526 representing NM\_001252532

Red=Cloning site Green=Tags(s)

MRRFLRTGHPARERLRDLFQFNKTVEHGFPHQPSALGYSPSLRILAIIGTRSGAVKLYGAPGVFEMGLH  
 KENNAVLQIHFPLPGQCQLVTLDDNSLHLWLSLKVKGVSSELQEEESFTLRGPPGAAPSATQVTEILPHSS  
 GELLYLGTESGNVVFVQLPGFRTLHDRTICSDVLQWLPEEARHRRVFEMVEALQEHPDPNQILIGYSR  
 GLVVIWDLQGSRALSHFLSSQLENASWQRDGLIVTCHSDGSHCQWPVSSDTQNPPELRSSIPYGFPC  
 KAITKIFWL TTRQGLPFTIFQGGMPRASYGDRHCISVVHNGQQTAFDFTSRVIDFTVLSEADPAAAFDDP  
 YALVVLAEELVVIDLQTPGWPPVQLPYLASHCSAITCSHHVSNIPKLERIIAAGSRQNSHFSTMW  
 PIDGGTSLAPPPQRDLTLGHEDGTVRFWDASGVCLRLLYKLSVVRVFLTDTPSENLIAQGEDEWPLL  
 RKVGSFDPYSDDPRLGIQKIFLCKYSGYLAVAGTAGQVLVLELNDEAAEHAVEQVEADLLQDQEGYRWKG  
 HERLAARPGPVCFEAGFPFVLVQCQPPAVVTSALHSEWRLVAFGTSHGFGLFDHQRRQVFKVCTLHP  
 SDQLALEGPLSRVSKLKLKSLRQSFRRMRRSRVSSHKRRPGGPTGEVRPQAQSSHLQDHTALPQDLNPDQA  
 QAQAVNIKAERTGLQNMELAPVQRKIEARSAEDSFTGFVRTLYFADTYLRDSSRHCPSLWAGTNGGTVYA  
 FSLRVPPAERTDEPVRAEQAKEIQLMHRAPVVGILVLDGHNVPLEPELVAHDLSPDMQGSQLLV  
 SEEQKFVFTLPKVSARKLKLTALEGSVRRVGVAFHFGSCRAEDYGEHHLAVLTNLGDIQVVSMPLLKPKQ  
 VRYSCIRREDVSGIASCVFTKYGGFYLSIPSEFERFSLSTKWLVEPRCLVDSTKAKKHNRPSNNGTGL  
 KMTSSGHVRNSKSQSDGDEKKPGPVMHALLNDAWVLEIQSTLEGDRRSYGNWHPHRVAVGCRLSNGEA  
 E

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001252532.1, NP_001239461.1</u>
<b>RefSeq Size:</b>	3629 bp
<b>RefSeq ORF:</b>	3156 bp
<b>Locus ID:</b>	217325
<b>UniProt ID:</b>	<u>Q3TJ91</u>
<b>Cytogenetics:</b>	11 E2
<b>MW:</b>	117.5 kDa
<b>Gene Summary:</b>	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]