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Product datasheet for MC223272

Llgl1 (NM_008502) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Llgl1 (NM_008502) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Llgl1
Synonyms:	AI325176; Lgl1; Llglh; Mgl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223272 representing NM_008502 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGAAGTTTCGGTTCCGGCGGCAGGGCGCCGACCCGCAGCGCGAGAAGCTTAAGCAGGAGCTCTTCG CCTTCCACAAGACTGTGGAGCATGGCTTCCCCAATCAGCCCAGCGCCTTGGCCTTCGATCCTGAGCTCCG CATCATGGCCATCGGCACCAGATCTGGGGCCGTCAAGATCTATGGTGCACCCGGAGTGGAATTTACAGGC CTACATCGGGACGCAGCCACCGTCACCCAGATGCATTTCCTCCCTGGTCAGGGCCGCCTCCTGACCCTGC TAGATGACAGCAGCTTGCATCTCTGGGAGATCATCCATCATAATGGCTGCGCCCACCTGGAGGAAGGCCT CAGCTTCCACCCACCCAGCAGACCCAGTTTTGACAATGCCAGTTTCCCTGCCAGTCTAACACGTGTCACT GTGGTCCTGCTCGTAGCTGGCAATACAGCAGCCCTGGGAACTGAGAGTGGTAGCATATTCTTCCTGGATG TAGCCACCCTGGCACTGCTGGAGGGGCAGACTCTCAGCCCAGATGTGGTTCTGCGCAGTGTGCCAGATGA TTACCGGTGTGGAAAGGCCTTGGGCCCTGTGGAGTCACTCCAGGGACATCTGCAAGACCCCAGCAAGATC CTCATAGGCTACAGTCGGGGTTTACTGGTCATCTGGAGCCAGGCCACACAGTCTGTGGACAACGTTTTCC TAGGTAACCAGCAGCTGGAGAGCCTGTGTTGGGGCCGTGATGGCAGCAGCATTATCAGCTCACACAGTGA TGGCAGCTATGCCATCTGGTCCACAGACACTGGCAGCCCCCCAACGCTGCAGCCCACTGTAGTGACCACA CCCTACGGCCCCTTCCCCTGCAAGGCCATCAACAAGATTCTGTGGCGGAGCTGTGAGTCAGGAGACCACT TTATCATCTTCAGTGGTGGCATGCCTCGAGCCAGCTATGGTGACCGCCACTGTGTGAGTGTACTGCGAGC AGAGACACTGGTGACCCTGGACTTCACCTCTCGTGTCATTGACTTCTTCACGGTGCACAGCACACAGCCA GAGGATGAGTGTGACAACCCCCAGGCCTTAGCCGTGCTTCTGGAGGAGGAGCTGGTGGTGCTGGACCTGC AGACACCAGGCTGGCCAGCTGTGCCCGCCCCTTACCTGGCCCCACTGCATTCGTCAGCTATCACCTGCTC TGCCCATGTTGCCAATGTCCCCAGCAAGCTGTGGGCCCGCATTGTAAGTGCTGGTGAGCAGCAGAGCCCA CAGCCTGCCTCCAGTGCCTTGAGTTGGCCCATTACCGGGGGCCGGAACTTGGCCCAGGAACCCTCGCAGC GTGGGCTGCTGCTCACTGGCCATGAGGATGGCACTGTGCGGTTCTGGGACGCCTCTGGTGTGGCGCTAAG GCCACTCTACAAACTGAGCACAGCTGGCCTCTTCCAGACGGACTGTGAACATGCTGACAGCCTGGCCCAG GCTGTGGAGGATGACTGGCCGCCCTTCCGCAAGGTGGGCTGCTTTGATCCCTACAGTGATGACCCCCGGC

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TAGGAATCCAGAAGGTTGCGCTTTGCAAGTACACAGCCCAGATGGTGGTAGCTGGCACTGCAGGCCAGGT
GCTGGTGCTGGAGCTCAGTGAGGTCCCAGCAGAGCATGCCGTCAGTGTGGCCAACGTGGATCTTCTTCAG
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TGAGTGCTCGCAACATCACAGAACCACTATGTTCTCTGGATATAAGCTGGCCCCAAAATGCCACCCAGCC
CAGGCTTCAAGAGTCACCCAAGCTGAGCCAGGCTAATGGGACCAGAGACATCATTCTGGCCCCAGAGAGC
TGCGAAGGAAGCCCTAGCTCTGCCCACAGCAAGCGAGCTGATACCATGGAACCACCCGAGGCCGCTCTCT
CGCCTGTGTCCATTGATTCAGCTGCTAGTGGGGATACCATGCTGGACACAACAGGGGATGTCACCGTGGA
ATATGTGAAGGATTTTCTGGGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008502

Insert Size: 3105 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_008502.2, NP_032528.1

RefSeq Size: 4419 bp

RefSeq ORF: 3105 bp

Locus ID:	16897
UniProt ID:	Q80Y17
Cytogenetics:	11 37.81 cM
Gene Summary:	Cortical cytoskeleton protein found in a complex involved in maintaining cell polarity and epithelial integrity. Involved in the regulation of mitotic spindle orientation, proliferation, differentiation and tissue organization of neuroepithelial cells. Involved in axonogenesis through RAB10 activation thereby regulating vesicular membrane trafficking toward the axonal plasma membrane.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice pattern in the 3' coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.