

Product datasheet for MR211565

Llg1 (NM_001159405) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Llg1 (NM_001159405) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Llg1
Synonyms: AI325176; Lgl1; Lglh; Mgl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR211565 representing NM_001159405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGAAGTTTCGGTTCGGCGGCAGGGCGCCGACCCGACGCGGAGAAGCTTAAGCAGGAGCTTTCCG
 CCTTCCACAAGACTGTGGAGCATGGCTTCCCAATCAGCCAGCGCCTTGGCCTTCGATCCTGAGCTCCG
 CATCATGGCCATCGGCACCAGATCTGGGGCCGTCAAGATCTATGGTGCACCCGGAGTGGAATTTACAGGC
 CTACATCGGGACGACGCCACCGTCACCCAGATGCATTTCCCTCCCTGGTACGGGCCCTCCCTGACCTGC
 TAGATGACAGCAGCTTGCATCTCTGGGAGATCATCCATCATAATGGCTGCGCCACCTGGAGGAAGGCCCT
 CAGCTTCCACCCACCCAGCAGACCCAGTTTTGACAATGCCAGTTTCCCTGCCAGTCTAACACGTGTCACT
 GTGGTCTGCTCGTAGCTGGCAATACAGCAGCCCTGGAACTGAGAGTGGTAGCATATTCTTCTGGATG
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 TTACCGGTGTGAAAGGCCTTGGGCCCTGTGGAGTCACTCCAGGGACATCTGCAAGACCCAGCAAGATC
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 TGGCAGCTATGCCATCTGGTCCACAGACACTGGCAGCCCCAACGCTGCAGCCACTGTAGTGACCACA
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TAGGAATCCAGAAGGTTGCGCTTTGCAAGTACACAGCCCAGATGGTGGTAGCTGGCACTGCAGGCCAGGT
 GCTGGTGTGGAGCTCAGTGAGGTCCCAGCAGAGCATGCCGTGAGTGGCCAACGTGGATCTTCTTCAG
 GATCGCGAGGGCTTACGTGGAAGGGTACAGAGCGGTGAACCCACACACGGGGCTGCTGCCGTGGCCTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR211565 representing NM_001159405

Red=Cloning site Green=Tags(s)

MMKFRFRRQGADPQREKLKQELFAFHKTVEHGFNPQPSALAFDPELRIMAIGTRSGAVKIYGAPGVEFTG
 LHRDAATVQMHFLPGQGRLLTLLDDSSLHLWEIIHNGCAHLEEGLSFHPPSRPSFDNASFPASLTRVT
 VVLLVAGNTAALGTESGSIFFLDVATLALLEGQTLSPDVVLRVSPDDYRCGKALGPVESLQGLHLDPSKI
 LIGYSRGLLVIWSQATQSDNVFLGNQQLLESLCWGRDSSIISSHSDGSYAIWSTDTGSPPTLQPTVVTT
 PYGPFCKAINKILWRSCESGDHFIIFSGMPPRASYGDRHCVSVLRAETLVTLDFTSRVIDFFTVHSTQP
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 QPASSALSWPITGGRNLAQEPSQRGLLLTGHEGTVRFWDASGVALRPLYKLSTAGLFQTDCEHADSLAQ
 AVEDDWPFRKVGCFDPYSDDPRLGIQKVALCKYTAQMVVAGTAGQVLVLELSEVPAEHAVSVANVDLLQ
 DREGFTWKGHERLNPHTGLLPWPAGFQPRMLIQCLPPAAVTAVTLHAEWSLVAFGTSHGFLFDYQRKSP
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 EMTVPVQRRIEPRSADDSLSGVVRCLYFADTFLRDATHHGPTMWAGTNSGSVFAYALEVPAATAGGEKRP
 QAVEAVLGKEVQLMHRAPVVAIAVLDGRGRPLPEPYEASRDLAQAPDMQGGHAVLIASEEQFKVFTLPKV
 SAKTKFKLTAHEGCRVRKVALATFASVMSDYAETCLAELTNDVHVFVSVPLRPQVHYSCIRKEDISG
 IASCVFTRHGQGFYLI SPSEFERFSLSARNITEPLCSLDISWPQNATQPRLQESPKLSQANGTRDIILAP
 ESCEGSPSSAHSKRADTMPEPEALSPVSDSAASGDTMLDITGDVTVYVKDFLGPEDSEKLNRLNEA
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

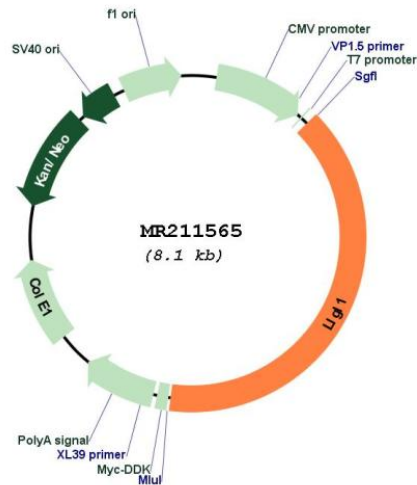
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001159405

ORF Size: 3186 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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_001159405.2
RefSeq Size:	4338 bp
RefSeq ORF:	3189 bp
Locus ID:	16897
UniProt ID:	Q80Y17
Cytogenetics:	11 37.81 cM
MW:	116 kDa
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]