

## Product datasheet for RR211431

### Llgl1 (NM\_152844) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Llgl1 (NM\_152844) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Llgl1  
 Synonyms: Llglh; Mgl1; Rgl1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR211431 representing NM\_152844  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGAAGTTTCGGTCCGGCCGAGGGCGCAGACCCGAGCGCGAGAAGCTCAAGCAGGAGCTTTCA  
 CCTTCCACAAGACTGTGGAGCATGGCTTCCCAACCAGCCAGCGCCTTGGCCTTCGACCCGGAGCTTCG  
 CATCATGGCCATCGGCACCAGATCTGGGGCTGTCAAGATCTATGGGGCACCCGGAGTGGAATTTACAGGC  
 CTACACCGGGATGCGGCCACTGTACCCAGATGCATTTCCCTGCCTGGTACAGGGCCGACTTCTGACCCGT  
 TAGACGACAGCAGCTTACATCTGTGGAAATCATCCAGCGTAATGGCTGTGCCATCTGGAGGAAGGGCT  
 CAGCTTCCACCCACCCAGCCGGCCAGTTTTGGCAATGCCAGTTTCCCTGCCGGTCTAACCCGAGTCACT  
 GTGGTCTGTGGCAGCTGGCGATACCGTGGTTCTGGGGACCGAGAGTGGTAGCATATTCTTCTGGATG  
 TCGCCACCCTGGCACTGCTGGAGGGCAGACTCTCAGCCAGATGAGGTCTGCGCAGCGTGCCAGATGA  
 CTACCGGTGTGAAAGGCCTTGGGCCCTGTGGAGTCACTCCAGGGACATCTGCAAGACCCAGCAAGATC  
 CTTATAGGCTATAGTCGGGGCTTACTGGTCATCTGGAGCCAGGCCACACAGTCTGTGGAGCACGTTTTCC  
 TGGGTAACCAGCAGCTGGAGAGCCTGTGTTGGGGCGTGGTGGCAGCAACATTATCAGTCACATAGTGA  
 TGGCAGCTATGCCATCTGGTCCACAGACACTGGCAGCCCCCAACGCTTACGCCACTGTAGTGACCACA  
 CCTTATGGCCCTTCCCCTGCAAGGCCATCAACAAGATTCTGTGGCGGAGCTGTGAGTCAGGAGACCACT  
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 AGAGACTGTTGACCTAGACTTACCTCCCCTGTCATTGACTTCTTACGGTGCACAGCACACAGCCA  
 GAGGATGGTTTTGACAACCCCAAGGCCCTAGCCGTGCTTCTGGAGGAAGAGCTGGTGGTGTGGACCTGC  
 AGACACCAGGCTGGCCAGCTGTGCCTGCCCTTACCTGGCTCCACTGCATTCATCAGCGATCACCTGCTC  
 TGCCCATGTTGCCAATGTGCCAGCAAGCTGTGGGCCCGCATCGTAAGTGTGGCAGCGGCAGAGCCCA  
 CAGCCTGCCTCCAGTGCCTTGAATTGGCCATTACTGGGGCCGGAATTGGCCAGGAACCTCGCAGC  
 GTGGGCTACTGTGACCGCCATGAGGATGGCACTGTGCGGTTCTGGGACGCCTCTGGTGTGGCGCTAAG  
 GCCACTTACAACTGAGCACAGCTGGCCTCTTTCAGACGGACTGCGAACATGCTGACAGCCTGGCTCAG  
 GCTGTGGAGGATGACTGGCCGCCCTTCCGAAGGTGGGCTGCTTTGATCCCTACAGTGATGATCCCCGGC



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TAGGAATCCAGAAGGTTGCGCTTTGCAAGTACACAGCCCAGATGGTGGTGGCTGGCACAGCAGGCCAGGT  
 GCTGGTGTGGAGCTCAGTGACGTGCCGGGAGAGCACACCCGTAGTGTGGCCAGTGTGGATCTTCTCCAG  
 GATCGGGAGGGCTTACAGTGAAGGGCCACGAGCGACTGAGCCCCACACGGGACCGTTGCCTTGGCCTG  
 CCGGGTTCACGCTCGCGTGTGATACAGTGCCTGCCGCCGCTGCTGTTACTGCTGTTGCACTCCATGC  
 TGAGTGGAGCCTCGTGGCCTTTGGGACCAGTATGGCTTTGGCCTTTTACTACCAGCGCAAGAGCCCT  
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 TTGCCAGCGTGTCTGAGGACTATGCCGAGACTGCCTTGCCTGCCTACCAACTGGGTGATGTCCA  
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 ATCGCTTCTGTGCTTTCACACGTACGCGCCAGGGCTTTTACTTGATTTCTCCATCGGAATTTGAGCGCT  
 TCTCACTGAGTGTGCGAACATCACAGAACCACATGTTCTCTGGATATAAGCTGGCCCCAAAATGCCAC  
 CCAGCCCAGGCTTCAAGAGTCACCAAGCTGAGCCAGGCTAATGGGACCAGAGACATCATTCTGGCCCCA  
 GAGAGCTGCGAAGGAAGCCCTAGCTCTGCCACAGCAAGCAGCTGATACCATGGAACCCCGAGGCCG  
 CTCTCTCGCCTGTGTCCATTGATTACAGTGTAGTGGGATACCATGCTGGACACAACAGGGGATGTCAC  
 CGTGAATATGTGAAGGATTTTCTGGGG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211431 representing NM\_152844  
 Red=Cloning site Green=Tags(s)

MMKFRFRRQGADPQREKLKQELFTFHKTVEHGFNPQPSALAFDPELRIMAIGTRSGAVKIYGAPGVEFTG  
 LHRDAATVTQMHLPGQGRLTLDDSSLHLWEIIQRNGCAHLEGLSFHPPSRPFGNASFPAGLTRVT  
 VVLLAAGDTVVLGTESGSIFFLDVATLALLEGQTLSPDEVLRVSPDDYRCGKALGPVESLQGHLDQPSKI  
 LIGYSRGLLVIWSQATQSVEHVFLGNQQLESWCWGRGGSNIISHSYDGSYAIWSTDTGSPPTLQPTVVTT  
 PYGPFPCAKINKILWRSCESGDHFIIFSGMPPRASVYDRHCVSVLRAETLVTLDFTSRVIDFFTVHSTQP  
 EDGFDNPQALAVLLEELVVLDLQTPGWPAPYLAHLHSSAITCSAHVANVPSKLWARIVSAGERQSP  
 QPASSALSWPITGGRNLAQEPSQRGLLLTGHEGTVRFWDASGVALRPLYKLSTAGLFQTDCEHADSLAQ  
 AVEDDWPFRKVGCFDPYSDDPRLGIQKVALCKYTAQMVVAGTAGQVLVLELSDVPGEHTVSVASVDLLQ  
 DREGFTWKGHERLSPHTGPLPWPAGFQPRVLIQCLPPAAVTAVALHAEWSLVAFGTSHGFLFDYQRKSP  
 VLARCTLHPNDSLAMEGPLSRVSLKSLRQSFRRIRKSRVSGKKRATTASSKLQEAANAQLAETCPHDV  
 EMTVPVQRRIEPRSADDSLSGVVRCLYFADTFLRDATHHGPTMWAGTNSGSVFAYALEVPAATAGGEKRPE  
 QAVEAVLKEVQLMHRAPVVAIAVLDGRGRPLPEPYEASRDLAQAPDMQGGHVLIASEEQFKVFTLPKV  
 SAKTKFKLTAHEGCRVRKVALATFASVMSDYAETCLAELTNLGDVHVFSVPLRQVHYSCIRKEDISG  
 IASCVFTRHGQGFYLIISPSEFERFSLSARNITEPLCSLDISWPQATQPRLOQESPKLSQANGTRDIILAP  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

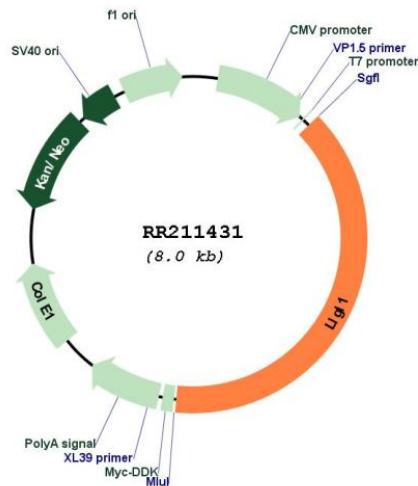
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_152844

ORF Size: 3108 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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><a href="#">NM_152844.1</a></u> , <u><a href="#">NP_690057.1</a></u>
<b>RefSeq Size:</b>	3111 bp
<b>RefSeq ORF:</b>	3111 bp
<b>Locus ID:</b>	54265
<b>Cytogenetics:</b>	10q22
<b>MW:</b>	112.5 kDa
<b>Gene Summary:</b>	WD-40 containing protein, homologous to a tumor suppressor in Drosophila, lethal (2) giant larvae [RGD, Feb 2006]