

## Product datasheet for **RR212462**

### Llgl2 (NM\_001127549) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Llgl2 (NM\_001127549) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Llgl2  
**Synonyms:** RGD1560307  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212462 representing NM\_001127549  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGCGGTTCTCTGAGAACTGGACATGACCCTGCCCGGAAAGGCTAAAGCGGGATCTGTTCCAGTTCA  
ACAAGACAGTGGAGCATGGCTTCCCACACCAGCCAGCGCCCTCGGCTATAGTCCTTCACTGCGCATCCT  
GGCCATCGGTACCGCTCTGGAGCTGTCAAATATATGGTGCCCGGGGTAGAGTTCATGGGGTTCAC  
AAAGAGAAACAACGCTGTGTTGCAGATCCACTTCCCTGCCTGGTCAGTGTCAGCTGGTCACTCTGCTGGATG  
ACAACAGCCTGCACCTGTGGAGCCTGAAGGTCAAGGGTGGGGTGTGAGAGCTGCAGGAAGAGAGAGCTT  
CACTTTGCGTGGCCCCCAGGGGCGGCCCCAGTGCCACGCAGATCACTGAGATCCTACCTCACTCCTCC  
GGAGAAGTGTCTACCTGGGCACCGAGAGCGGCAGTGTGTTTGTGGTGGGCTGCCTGGGTTCTGCGCAC  
TGCACGACAGGACCATCAGTTCAGACGAGGTGCTGCAATGGTTGCCAGAGGAGGCCCGGCACCGGCGAGT  
GTTGAGATGGTGGAGGCTCTGCAGGAGCACCCTAGAGACCCCAACAAATCCTCATTGGCTACAGCCGA  
GGCCTCGTCGTCATCTGGGACCTCGGGCAGTCGAGTGTCTCAGCCACTTCCAGCCAGCCACTGCCAGTG  
AGAAGCTCAGCTGGCAGCGGGATGGCTGCCTGATTGTACCTGCCACTCTGACGGCAGCCACTGCCAGTG  
GTCCGTGCCAGTGACACCCAGAGCCAGAACCTCTGCGCAGTTCTGTACCTTACGGTCTTTTCTCTTGC  
AAAGCTATCACCAAAATCTTCTGGCTTACCACAGGCAAGGGTTGCCCTTACCATCTTCCAGGGCGGTA  
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CTTCACCTCCCGTGTCTGACTTACCGTTCTCATGGAGGCTGACCCTGTGGCTGCCTTTGATGACCCC  
TACGCCCTGGTGGTGCTTCCGAGGAGAACTGGTGGTATTGACCTGCAGACACCCGGCTGGCCGCCAG  
TCCAGTGCCTACCTGGCTTCCCTGCACTGTTACGCCATTACCTGCTCCCATCATGTCTCCAACATCCC  
CCTGAAGCTGTGGGAACGAATCATCGCTGCCGGCAGCCGAGAACTCGCACTTCTCCACCATGGAGTGG  
CCCATAGATGGTGGTACCAGCCTGGCCCCGCTCCACCGCAGAGGGACCTGCTGCTCACAGGGCAGGAGG  
ATGGCACAGTGGGTTCTGGGACGCTCGGGTGTCTGTTACGGCTGCTGTACAACTCAGTACCGTGAG  
GGTGTTCCTTACAGACACAGACCTCAGCGAGAACCTCAGCGCCAGGGTGGAGACGAGTGGCCCCACTC  
CGCAAGTGGGCTCTTTGATCCCTACAGTGATGATCCACGGCTGGGCATCCAGAAGATTTCTCTGCA



AATACAGTGGCTACCTGGCTGTGGCAGGCACGGCAGGGCAGGTGCTGGTCTGGAGCTGAACGATGAGGC  
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 CACGAGCGCCTCGCCGCCCGCCCGGGCCCGTGCCTTTGAGGCAGGCTTTCAGCCCTTTGACTGGTGC  
 AGTGCCAGCCCCAGCTGTGGTCACTCCCTGGCCCTGCACTCTGAGTGGCGGCTTGTGGCCTTTGGCAC  
 CAGCCACGGTTTCGGCCTCTTCGATCACCAGCAGCGGCGGCAGGTCTTTGTCAAGTGCACACTTCACCCC  
 AGTGACCAGCTGGCCTTGGAGGGCCCGCTGTCCCAGTAAAGTCCCTCAAGAAGTCCCTACGTAGTCACT  
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 GGCTCAGGCTGTGAACCAAGGAGAACGGACAGGGCTGCAGAACATGGAGCTGGCACCTGTACAGCGC  
 AAGATCGAGGCCGCTCAGCAGAGGACTCCTTACCAGGCTTTGTTCCGACCCTCTATTTTGTGACACCT  
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 GCGGTACAGCTGCATCCGCCGGGAGGATGTCAAGTGAATAGCCTCCTGCCTTCCACCAAGTACGGCCAA  
 GGCTTCTACCTGATATCACCTTCGGAGTTCGAGCGCTTTTCTCTCCACCAAGTGGCTGGTTGAGCCCC  
 GGTGTTTGGTGGATTAGCCAAAGCCAGGAACCAACCGGCCAGTAATGGCAATAGCACAGGCCCCAA  
 AAGGACCTCCGGCCAAGTCAAGCACTCAGGAGCCAGAGTGTGAGCAGAGACGAAGCCCGGCCAGTG  
 ATGGAGCAGCACTGCTCAGTGCAGCCTGGGTCTAAAGGAAGTCCAGAGCACGCTAGAGGGGGACCAGG  
 GGAGCTGTGGCAATTGGCGCTCTACCCGTGTGGCTGTGGGTTGCAGGCTGAGCAATGGCGAAGCAGAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212462 representing NM\_001127549  
 Red=Cloning site Green=Tags(s)

MRRFLRTGHDPARERLRDLFQFNKTVEHGFPHQPSALGYSPSLRILAIIGTRSGAVKLYGAPGVEFMGLH  
 KENNAVLQIHFLPGQCQLVTLDDNSLHLSLKVKGVSLEQEEESFTLRGPPGAAPSATQITEILPHSS  
 GELLYLGTESGSFVVRPLPGFCALHDRTISSDEVLQWLPEEARHRRVFEMVEALQEHPDRPNQILIGYSR  
 GLVVIWDLRASRVLSHFLSHQLENVSWQRDGLIVTCHSDGSHCQWSVPSDTQSPEPLRSSVPYGFPC  
 KAITKIFWLTTTRQGLPFTIFQGGMPRASYGDRHCISVVHNGQQTAFDFTSRVIDFTVLMEADPVAADFDP  
 YALVVLAEELVVIDLQTPGWPPVQLPYLASLHCSAITCSHHVSNIPKLRWERIIAAGSRQNSHFSTMEW  
 PIDGGTSLAPPPQRDLTLGHEDGTVRFWDASGVCLRLLYKLSTVRVFLTDTLSENLSAQGEDEWPLL  
 RKVGSFDPYSDDPRLGIQKIFLCKYSGLAVAGTAGQVLVLELNDEAAEHAVEQVEADLLQDQEGYRWKG  
 HERLAARPGPVRFEAGFPFVLVQCQPPAVVTSALHSEWRLVAFGTSHGFGLFDHQRRQVFKCTLHP  
 SDQLALEGPLSRVSKLKKSLRQSFRRMRRSRASSHKRRPGGPTGEAQAQAVNTKAERTGLQNMELAPVQR  
 KIEARSAEDSFTGFVRTLYFADTYLRDSSRHCPSSLWAGTNGGTVYAFSLRVPPAERRADEPVRAEQAKEI  
 QLMHRAPVVGILVLDGHNVPLEPELVAHDLKSPDMQGSQQLLVVSEEQFKVFTLPKVS AKLKLKLTAL  
 EGSRRVRRVGAHFVGSRAEDYGEHHLAVLTNLGDIQVVSVPVLLKPKQVRYSCIRREDVSGIASCVFTKYGQ  
 GFYLI SPSEFERFSLSTKWLVEPRCLVDSAKARNHNRPSNGNSTGPKRTSGQVRNRSQSDGAETKPGPV  
 MEHALLSDAWLKEVQSTLEGDQSGCNWRSHRVAVGCRLSNGEAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

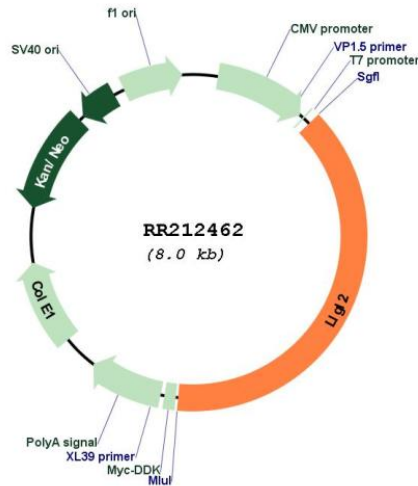
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001127549

ORF Size: 3078 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_001127549.1</a></u> , <u><a href="#">NP_001121021.1</a></u>
<b>RefSeq Size:</b>	3555 bp
<b>RefSeq ORF:</b>	3081 bp
<b>Locus ID:</b>	360661
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	114 kDa