

Product datasheet for **SC303440**

LLGL1 (NM_004140) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | LLGL1 (NM_004140) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | LLGL1 |
| Synonyms: | DLG4; HUGL; HUGL-1; HUGL1; Lgl1; LLGL; Mgl1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC303440 representing NM_004140. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGAAGTTTCGGTTCGGCGGCAGGGCGCCGACCCGACGCGGAGAAGCTCAAGCAGGAGCTTTTC
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GATCCCTACAGTGACGATCCCCGGCTTGCGTGCAGAAGTTGCTCTCTGCAAGTATACAGCCCAGATG
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 GAGCCGCTCTGCTCTCTGGACATTAAGTGGCCCCGCGATGCCACCCAGGCCAGTTACAGGATCCGAGAG
 TCACCCAAAGCTGAGCCAGGCTAACGGGACCCCAAGCATCTGCTGGCCCCACAGACCTTGATGGAAGC
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 ATCGACTCAGCCACCAGTGTGACACCACGCTGGACACGACAGGGGACGTCACAGTGAAGATGTGAAG
 GATTTCTGGGCTCCTCTGAGGAGTCAGAGAAGAACCTGAGGAACCTGGCAGAAGACGAGGCCACCGCC
 TGTGCCATCCTGATCAAA**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_004140
- Insert Size:** 3195 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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).

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| 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: | <u>NM_004140.3</u> |
| RefSeq Size: | 4225 bp |
| RefSeq ORF: | 3195 bp |
| Locus ID: | 3996 |
| UniProt ID: | <u>Q15334</u> |
| Cytogenetics: | 17p11.2 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Tight junction |
| MW: | 115.4 kDa |
| Gene Summary: | This gene encodes a protein that is similar to a tumor suppressor in Drosophila. The protein is part of a cytoskeletal network and is associated with nonmuscle myosin II heavy chain and a kinase that specifically phosphorylates this protein at serine residues. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008] |