

## Product datasheet for MC217812

### ligp1 (NM\_001146275) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ligp1 (NM\_001146275) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ligp1  
**Synonyms:** 2900074L10Rik; AI046432; AW111922; lfgga1; ligp; lrga6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC217812 representing NM\_001146275  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGTCAGCTGTTCTTCCACCTAAGAGTGATGAGAATAATGATTTGCCCTCCAGCTTTACTGGTTATT  
 TTAAGAAATTTAATACGGGAAGAAAAATCAATTTCTCAAGAGATCCTCAATTTGATTGAATTAAGGATGAG  
 AAAAGGGAATATTCAGTTGACAACTCTGCAATCAGTGATGCATTAAGAAATCGATAGTAGTGTGCTC  
 AATGTTGCTGTCACCGGGGAGACGGGATCAGGGAAGTCCAGCTTCATCAATACCTGAGAGGCATTGGGA  
 ATGAAGAAGAAGGTGCAGCTAAAACCTGGGGTGGTGGAGGTAACCATGGAAGACATCCATACAAACACCC  
 CAATATACCCAATGTGGTTTTTTGGGACCTGCCTGGGATTGGAAGCACAATTTCCACCAAAACACTTAC  
 CTGGAGAAAAATGAAGTTCTATGAGTACGATTTCTTCAATATTATTTGGCCACACGCTTCAAGAAAAATG  
 ATATAGACATTGCCAAAGCAATCAGCATGATGAAGAAGGAATTTACTTCGTGAGAACCAAGGTGGACTC  
 TGACATAACAAATGAAGCAGATGGCAAACCTCAAACCTTTGACAAAGAAAAGGTCTGCAGGACATCCGC  
 CTTAACTGTGTGAACACCTTTAGGGAGAATGGCATTGCTGAGCCACCAATCTTCTGCTCTCTAACAAAA  
 ATGTTTGTCACTATGACTTCCCGTCTGATGGACAAGCTGATAAGTGACCTCCCTATCTACAAGAGACA  
 CAATTTTATGGTCTCCTTACCCAATATCACAGATTCAGTCAATTGAAAAGAAGCGGCAATTTCTGAAGCAG  
 AGGATTTGGCTGGAAGGATTTGCTGCTGACCTAGTGAATATCATCCCTTCTGACCTTTCTCTGGACA  
 GTGATTTGGAGACTCTGAAGAAAAGCATGAAATTTACCGCACTGTGTTGGAGTGGATGAAACATCTTT  
 GCAGAGATTAGCTAGGGACTGGGAAATAGAGGTGGATCAGGTGGAGGCCATGATAAAATCTCCTGCTGTG  
 TTCAAACCTACAGATGAAGAAACAATAAAGAAAGGCTTTCAAGATATATTCAGGAGTTCTGTTGGCTA  
 ATGGGTACTTACTTCTAAAAATAGTTTTCTTAAAGAAATATTTACCTGAAATATTATTTCTTGCAT  
 GGTGACTGAGGATGCTAAAACCTTCTTAAAGAGATATGTTAAGAAAC TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001146275
<b>Insert Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_001146275.1</a> , <a href="#">NP_001139747.1</a>
<b>RefSeq Size:</b>	3149 bp
<b>RefSeq ORF:</b>	1242 bp
<b>Locus ID:</b>	60440
<b>UniProt ID:</b>	<a href="#">Q9QZ85</a>
<b>Cytogenetics:</b>	18 D3
<b>Gene Summary:</b>	<p>GTPase with low activity. Has higher affinity for GDP than for GTP. Plays a role in resistance to intracellular pathogens. Required for disruption of the parasitophorous vacuole formed following T.gondii infection and subsequent killing of the parasite. Mediates resistance to C.trachomatis infection by targeting bacterial inclusions to autophagosomes for subsequent lysosomal destruction.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>