

## Product datasheet for MC205918

### Lancl1 (BC058560) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lancl1 (BC058560) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lancl1  
**Synonyms:** Gpr69, p40  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC058560  
GCTGGAGAGGCGTGCGGGTTCCATCATCTCCGTGTGCTCCCCACTCGTGGGCGTGGGACGTGGGTTTCGCT  
TGCGGCGTCATGGCTCAGAGGGCCTTTCCGAATCCTTATGCCGATTATAACAAGTCGCTGGCCGAAAAC  
ACTTTGATTCTACTGGGAGGCTGACTCCTGAGTTCTCACATCGCTTGACCAATAAGATCCGAGAGCTCCT  
TCAGCAAATGGAGAGAGGCTAAAGTCTGCAGACCCTCGGGATGGCACTGGGTACTGGCTGGGACGGC  
ATCGCTGTGCTTTACCTCCACTCCACAATGTGTTGGGGACCCAGCCTATCTACAGATGGCGCACAGCT  
ATGTAAGCAAAGCCTCAACTGTCTGAGCAGGCGTTCCATCACCTTCTGTGGCGATGCGGGCCCCCT  
GGCTGTGGCTGCTGTGTGTACCACAAGATGAACAGTGAGAAGCAGGCCGAGGAGTGCATCACACGGCTC  
ATTCACCTAAATAAGATTGATCCCCACGTACCAAATGAAATGCTCTATGGCCGATAGGCTACATCTTTG  
CTCTGCTTTTTGTCAATAAAGAACTTTGGAGAGGAGAAGATTCTCAGAGCCATATTCAGCAGATTTGTGA  
AAACATCTTAACCTCTGGGAAAACCTATCTAGAAAGAGAAACTTGGCGCAAAGTCTCCACTGATGTAT  
GAGTGGTACCAGGAATATTACGTGGGGGCTGCTCATGGCTTGGCAGGCATTTATTACTACCTGATGCAGC  
CCAGCCTTCAGGTGAACCAAGGAAAGTTGCATAGTTTGGTGAAGCCCAGTGTAGACTTTGTCTGCCGGCT  
GAAGTTTCCTTCCGGCAATTACCCTCCATGTTTGGATGATACCAGAGACCTGCTTGTCCATTGGTGCCAC  
GGTGTCTCTGGGGTATCTATATGCTCATCCAAGCATACAAGGTGTTCAAAGAAGAGCGTTACCTGTGTG  
ATGCCAGCAGTGTGCTGACGTGATCTGGCAGTACGGGCTACTGAAGAAGGGCTACGGGCTGTGCCATGG  
TGCTGCAGGGAATGCCTACGCTTCTGGCACTCTACAACCTCACACAGGATCTGAAGTATCTGTACAGG  
GCCTGCAAGTTTGCTGAGTGGTGCTTAGACTACGGGGAGCACGGATGCAGGACAGCGGACACCCCTTCT  
CCCTGCAATTTGAACTCTGAAAAGAAAGCATGTCTCCTGCCGCTTACAGCATGACTCTGTGTATTACTCTG  
GGCTACATATTGCCCTTGCTTTTGAAGGAGCAGAATGAAACTGTGTACTTTGAAAAAAAAAAAAAAAAAAAA  
AA

**Restriction Sites:** RsrII-NotI  
**ACCN:** BC058560  
**Insert Size:** 1200 bp



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<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>	<u><a href="#">BC058560</a></u> , <u><a href="#">AAH58560</a></u>
<b>RefSeq Size:</b>	1465 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	14768
<b>Cytogenetics:</b>	1 C3
<b>Gene Summary:</b>	Functions as glutathione transferase (PubMed:25158856). Catalyzes conjugation of the glutathione (GSH) to artificial substrates 1-chloro-2,4-dinitrobenzene (CDNB) and p-nitrophenyl acetate (PubMed:25158856). Mitigates neuronal oxidative stress during normal postnatal development and in response to oxidative stresses probably through GSH antioxidant defense mechanism (PubMed:25158856). May play a role in EPS8 signaling. Binds glutathione (By similarity).[UniProtKB/Swiss-Prot Function]