

## Product datasheet for **MC220847**

### **Lca5 (BC052060) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lca5 (BC052060) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lca5
Synonyms:	4930431B11Rik; 5730406O13Rik; AV274874; ORF64
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC052060  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGGAAAGAGCCCGAAGTCCAGATATTGAACAAGGAAAAAAGGAGGCAAACACCCATACTCTCATT  
 ATTCGTCTGACCTTGGGTCTCACACAGTCTCTGGCCCTCATCACCTGTCAACACGACGCCATGTGC  
 CAGTACTAGGGAGAAGAATCCCAAAAGACACTTGTGACACAACCAAGTGCATCACCAACCGTTAGGAAA  
 GTAAGTCTAAGGCTGTACCCAGCAAAAAGGGCATCCGAGTGGGATTTTCGGTCCCAAGCCTCAACAGAG  
 AGCCACTTCGAAAGATCCAGATATCGTAACAAAGCGGTTCTTTCTGCCAGACTTCTGAAAATCAACGA  
 GCTGCAGAACGAAGTGTACAGAACTACAGGTCAAGTTAGCCAGCTGTCAAAGAGAACAAGGCTTTGAAA  
 AGCCTTCAGTATCGTCAGGAGAAAGCGCTGAATAAGTTTGAAGATGCGGAGAACGAGATCTCACAACCTA  
 TACACCGCCATAACAATGAGATTACTGCGCTCAAAGAACGCTTACGAAAATCTCAGGAGAAGGAGCGGGC  
 GACAGAGAAAAGAGTGAAGAGACAGAAGTGAACATTTAGGACGAAATTTTCCTTACAGAAAAGTAAA  
 AAGATCTCCGAGGCCAGACACCTACCGGAGCGAGACGATTTGGCCAAGAACTGGTTTCGGCAGAGTTAA  
 AATTAGATGACACGGAGAGAAAGATTAAGGAGCTATCGAAGAACCTGGAGCTGAGCACGAACAGTTTCCA  
 GCGGCAGCTGCTCGTGAAGGAAAAGAGCATTGAGGCTTACGATGAAAATAAAGTTCTTCAAAAGGAG  
 CTGCAGCGGCTCCATCACAAGCTCAAGGAAAAGGAGAAAGAAATTGGATATAAAAAACATCTATGCTAATC  
 GCCTGCCCAAATCCTCTCAAAGAAAAGAGAAAAGAAATCGAAAGGAAACATGTATCCTGCCAGAGTGACTT  
 TACAGACCAGTGTACAAAAGGAGTACAGACCGCTGAAGACTTTGAGCTGGAGGACTTTCCTTTACAGCC  
 CAGACAGTTCTCTGCTATGAAAACAGATGGGATGAACCAAGATATCTCTCTTTCGACCTGGAGTACCAGG  
 ATCTCAACAAACATGGATCAGAGATGCTAAGTTCAGTGTGGGACAAGAAGGAAAGTATGATGAAGTGA  
 GGACCCATGCTCTGCAAAGCAGGAGGCCAGGAAGCCTGAGAGTGAATGGGCAAGAGAAGAACTTGATAAG  
 GTGAAAGCAAGTCAAGTCTGCTAGGGAGAGCAGAGAAGCTGGCATTGGAAGCTGGGAGATTCCCAACGG  
 AAAATTATCAAGCTCAGTCTGTCGATAAATTCGAAGATGAGGCAGAAAGACTAAAGACAGAAATGCTCCT  
 TGCCAAACTGAACGAAATCAACAAAGAACTCCAAGATCCTCAGAACCTCGGGCGGGCCCTTTGCCATTG  
 CTGCCAACTTCGAATCCAAGCTGCACTCTCCAGACAGAAGTACCAGACCTTACTCGTTCCTCCGAGTCT  
 TAGACCGATCGTTAATGGACAACACTTGCAAGACTTGAGTTTTTTAACTCCCAGGGGAGAAGCGGGAG  
 TCCAGGACCGATCCGAAGTCCAGGACAGATCCGAAGTCCAGCCCTCTAGATGAGTTTTTCATTTGGTAGC  
 TATGTGCCTTCGTTTGGAAAACATTAGGGAAGTCAAATCCACCTAGCCAAAAAGTAGCCTTTTAGATT  
 TCCAAAGCAACAGTTCTGAAAGCCGAGTAAAGACAGTCTTGATTAATGTGAGGAAAAGAGAAAAGGC  
 GACTCTGATGGAGCAGCTGTTTGGCCCCAGCGCCAGCAACACCAGTGTCTCCTCCAAGAGCACCGACCCA  
 CACTTCCCTGCTGCCAGCAGAGGTGACATGGACCTCTTCATTTCTCTGTTGGGACAGAAAACAGCAGAG  
 TCCGGGAGCCTGGCGATGAAGAGGAAGACCTTTTCCTCAGGGAAGGAAGAAGTTTTAATCCAAATAGACA  
 CCGGTTGAAGCACGCAAGCAATAAGCCAACAGTACGGCCGTTGACTCTGTTGATGAGGACATTGAAGAG  
 GTTACCCTCAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC052060  
**Insert Size:** 2115 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).

<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="#">BC052060</a></u> , <u><a href="#">AAH52060</a></u>
<b>RefSeq Size:</b>	4185 bp
<b>RefSeq ORF:</b>	2114 bp
<b>Locus ID:</b>	75782
<b>Cytogenetics:</b>	9 E2
<b>Gene Summary:</b>	Involved in intraflagellar protein (IFT) transport in photoreceptor cilia.[UniProtKB/Swiss-Prot Function]