

Product datasheet for **MC220846**

Lca5 (NM_027448) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lca5 (NM_027448) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lca5
Synonyms:	4930431B11Rik; 5730406O13Rik; AV274874; ORF64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220846 representing NM_027448
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGGAAAGAGCCCGAAGTCCAGATATTGAACAAGGAAAAAAGGAGGCAAACACCCATACTCTCATT
 ATTCGCTGACTTTGGGTCTCACACAGTCTCTGGCCCTCATCACCTGTCAACACGACGCCATGTGC
 CAGTACTAGGGAGAAGAATCCCAAAAGACACTTGTGAGACAACCAAGTGCATCACCAACCGTTAGGAAA
 GTAAGTCTAAGGCTGTACCCAGCAAAAAGGGCATCCGAGTGGGATTTCCGGTCCCAAGCCTCAACAGAG
 AGCCACTTCGAAAGATCCAGATATCGTAACAAGCGGGTTCTTTCTGCCAGACTTCTGAAAATCAACGA
 GCTGCAGAACGAAGTGTCAAGTACAGGTCAAGTTAGCCAGCTGTCAAAGAGAACAAGGCTTTGAAA
 AGCCTTCAGTATCGTCAGGAGAAAGCGCTGAATAAGTTTGAAGATGCGGAGAACGAGATCTCACAACCTA
 TACACCGCCATAACAATGAGATTACTGCGCTCAAAGAACGCTTACGAAAATCTCAGGAGAAGGAGCGGGC
 GACAGAGAAAAGAGTGAAGAGACAGAAGTGAATTTTAGGACGAAATTTTCCTTACAGAAAAGTAAA
 AAGATCTCCGAGGCCAGACACCTACCGGAGCGAGACGATTTGGCCAAGAACTGGTTTCGGCAGAGTTAA
 AATTAGATGACACGGAGAGAAAGATTAAGGAGCTATCGAAGAACCTGGAGCTGAGCACGAACAGTTTCCA
 GCGGCAGCTGCTCGTGAAGGAAAAGAGCATTGAGGCTTACGATGAAAATAAAGTTTCTCAAAAGGAG
 CTGCAGCGGCTCCATCACAAGCTCAAGGAAAAGGAGAAAGAAATTGGATATAAAAAACATCTATGCTAATC
 GCCTGCCCAAATCCTCTCAAAGAAAAGAGAAAAGAAATCGAAAGGAAACATGTATCCTGCCAGAGTGACTT
 TACAGACCAGTGTACAAAAGGAGTACAGACCGCTGAAGACTTTGAGCTGGAGGACTTTCCTTTCACAGCC
 CAGACAGTTCTCTGCTATGAAAACAGATGGGATGAACCAGAATATCTCTTTCGTACCTGGAGTACCAGG
 ATCTCAACAACATGGATCAGAGATGCTAAGTTCAGTGTGGGACAAGAAGGAAAGTATGATGAAGATGA
 GGACCCATGCTCTGCAAAGCAGGAGGCCAGGAAGCCTGAGAGTGAATGGGCAAGAGAAGAAGAACTTGATAAG
 GTGAAAGGCAAGTCAAGTCTGCTAGGGAGAGCAGAGAAGCTGGCATTGGAAGCTGGGAGATTCCCAACGG
 AAAATTATCAAGCTCAGTCTGTCGATAAATTCGAAGATGAGGCAGAAAGACTAAAGACAGAAATGCTCCT
 TGCCAACTGAACGAAATCAACAAGAAGTCCAAAGATCCTCAGAACCTCGGGCGGGCCCTTTGCCATTG
 CTGCCAACTTCGAATCCAAGCTGCACTCTCCAGACAGAAGTACCAGACCTTACTCGTTCCTCCGAGTCT
 TAGACCGATCGTTAATGGACAACACTGCAGGACTTGAGTTTTTAACTCCCAGGGGAGAAGCGGGGAG
 TCCAGGACCGATCCGAAGTCCAGGACAGATCCGAAGTCCAGCCCTCTAGATGAGTTTTTCATTTGGTAGC
 TATGTGCCTTCGTTTGGAAAACATTAGGGAAGTCAAATCCACCTAGCCAAAAAGTAGCCTTTTAGATT
 TCCAAAGCAACAGTTCTGAAAGCCGAGTAAAGACAGTCTTGATTAATGTCGAGGAAAAGAGAAAAGGC
 GACTCTGATGGAGCAGCTGTTTGGCCCCAGCGCCAGCAACACCAGTGTCTCCTCCAAGAGCACCGACCCA
 CACTTCCCTGCTGCCAGCAGAGGTGACATGGACCTCTTCATTTCTCTGTTGGGACAGAAAACAGCAGAG
 TCCGGGAGCCTGGCGATGAAGAGGAAGACCTTTTCCTCAGGGAAGGAAGAAGTTTAAATCCAAATAGACA
 CCGGTTGAAGCACGCAAGCAATAAGCCAACAGTACGGCCGTTGACTCTGTTGATGAGGACATTGAAGAG
 GTTACCCTCAGATGA

ACGCGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027448

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).

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).
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_027448.2</u> , <u>NP_081724.1</u>
RefSeq Size:	4235 bp
RefSeq ORF:	2115 bp
Locus ID:	75782
UniProt ID:	<u>Q80ST9</u>
Cytogenetics:	9 E2
Gene Summary:	<p>Involved in intraflagellar protein (IFT) transport in photoreceptor cilia.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longer transcript and encodes the longer protein (isoform b).</p>