

Product datasheet for MC211698

Lca5 (NM_029434) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lca5 (NM_029434) 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
Fully Sequenced ORF:	>MC211698 representing NM_029434 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGAAAGAGCCCGAAGTCCAGATATTGAACAAGGAAAAAAGGAGGCAAACACCCATACTCTCATT
ATTCGTCTGACTTTGGGTCCTCACCACAGTCTCTGGCCCTCATCACCTGTCAACACGACGCCATGTGC
CAGTACTAGGGAGAAGAATCCCAAAGACACTTGTGAGACAACCAAGTGCATACCCAACGGTTAGGAAA
GTAAGTCCTAAGGCTGTACCCAGCAAAAAGGGCATCCGAGTGGGATTTCCGGTCCCAAAGCCTCAACAGAG
AGCCACTTCGAAAGATCCAGATATCGTAACAAAGCGGGTTCTTTCTGCCAGACTTCTGAAAATCAACGA
GCTGCAGAACGAAGTGTGAGAACTACAGGTCAAGTTAGCCAGCTGCTCAAAGAGAACAAGGCTTTGAAA
AGCCTTCAGTATCGTCAGGAGAAAGCGCTGAATAAGTTTGAAGATGCGGAGAACGAGATCTCACAACCTTA
TACACCGCCATAACAATGAGATTACTGCGCTCAAAGAAGCCTTACGAAAATCTCAGGAGAAAGGAGCGGGC
GACAGAGAAAAGAGTGAAGAGACAGAAGGTGAAGTATTTAGGACGAAATTTTCCCTTACAGAAACTGAAA
AAGATCTCCGAGGCCAGACACCTACCGGAGCGAGACGATTTGGCCAAGAACTGGTTTCGGCAGAGTTAA
AATTAGATGACACGGAGAGAAAGATTAAGGAGCTATCGAAGAACCTGGAGCTGAGCACGAACAGTTTCCA
GCGGCAGCTGCTCGCTGAAAGGAAAAGAGCATTGAGGCTTACGATGAAAATAAAGTTCTTCAAAGGAG
CTGCAGCGGCTCCATCACAAGCTCAAGGAAAAGGAGAAAAGAAATTGGATATAAAAAACATCTATGCTAATC
GCCTGCCCAAATCCTCTCAAAGAAAAGAGAAAAGAAATCGAAAGGAAACATGTATCCTGCCAGAGTGACTT
TACAGACCAGTGTACAAAAGGAGTACAGACCGCTGAAGACTTTGAGCTGGAGGACTTTCTTTTACAGCC
CAGACAGTTCTCTGCTATGAAAACAGATGGGATGAACCAGAATATCTCTCTTCTGACCTGGAGTACCAGG
ATCTCAACAAACATGGATCAGAGATGCTAAGTTCAGTGTGGGACAAGAAGGAAAGTATGATGAAGATGA
GGACCCATGCTCTGCAAAGCAGGAGGCCAGGAAGCCTGAGAGTGGTAATCTTTTGGTAAGAATAAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_029434
Insert Size:	1260 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_029434.3</u> , <u>NP_083710.2</u>
RefSeq Size:	2010 bp
RefSeq ORF:	1260 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 (1) contains an alternate 3' terminal exon, compared to variant 2. It encodes isoform a, which has a shorter and distinct C-terminus, compared to isoform b.</p>