

Product datasheet for **RN206459**

Lca5 (NM_001013954) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lca5 (NM_001013954) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lca5
Synonyms:	RGD1308555
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN206459 representing NM_001013954
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGAAAGGGACCAAAGTTCAGATACTGATCAAGAAAGAAAAGGAGGCAAACACCCTTACTCGTCCC
 ATTACTCGTCTGACTTCGGGTCCTCACCACAGTCTTCTGGCCCCTCGTCACCTGTCAACACGCCACCATG
 TGCCAGTAATAGGGAGAAGAATCCCAAAAGACACCTGTCAGACCACCACGTGCGCCACCAAAACCGTTAGG
 AAAGTGAGTCTAAGGCTATACCCAACAAAAGGGGGTCCGAGTGGGATTTTCGGTCCCAAAGCCTCAACA
 GAGAGCCACTTCGGAAAGATCCAGATATCGTAACAAAGAGGGTCTTTCTGCAAGACTTCTGAAAATCAC
 CGAGCTGCAGAATGAAGTGTCTGAACACAGGTCAAGTTAGCCCAGCTGCTCAAAGAAAACAAGGCTTTG
 AAAAGTCTGCAGTATCGTCAGGAGAAAGCACTGAGTAAGTTCGAAGATGCAGAGAATGAAATCTCACAAC
 TTATACACCGCCATAACGGTGAGATTACTGCGCTCAAAGAACGCTTAAGAAAATCTCAGGAGAAAGAGCG
 GATGGCAGAGAAAAGAGTAAAGACACAGAAGGGGAACTATTTAGGACGAAATTTCCCTACAGAAACTA
 AAAAAGATCTCTGAGGCCAGACACTACCGGAGCGAGACGATTTGGCCAAGAAAAGTGTTCAGCAGAGT
 TAAAATTAGACAACCCGAGAGAAAAGTAAAGGAATATCGAAGAACCTGGAGCTAAGCACCACACAGCTT
 CCAGCGGCAGCTGCTTGCTGAAAGGAAAAGAGCGTTTGAGGCTCACGATGAAAATAAAATTTCCAAAAG
 GAGCTGCAGCGGCTCCACCACAAGCTGAAGGAGAAGGAGAAGAAATTGGATATAAAAAACATCTACGCTA
 ATCGCCTGCCAAGTCTCTCCAAAGAAAGAGAAAAGAAATTGCAAGAAAGCATGCATCCTGCCAGAGCGA
 CTTTACGGACCTGTGTACAAAAGCAGTACAGACCGCTGAAGACTTTGAGCCGGAAGAGTTTCTTTTACA
 GCACAGACAGTCTTTGTTATGAAAACAGATGGGACGGGTGAGAATATCTTCTCGTACCTGGAATACC
 AGGACGAAATGAGCATGGGTGAGAGTCTAAGCTCAACTTTGGAACAAGAAGGAAAGTACAGCGACGA
 CCAGGATTCATGTACTGCAAAAGCAGGAGACCGGGAAGTCTGAATGTGAATGGGAAAAGAGAAGAGCTTGT
 AAGGTGAAAGGCAAGTCTCTTTGCTAGGGAGAACAGAGAAGCTGGTGTAGAAGCTGGAAGTGTCCAAA
 CGGAAAGTTATCAAGCTCAAACGATTGATAAATCCAAGACGAGGCGGAAAGACTAAAGACAGAAATGCT
 TCTTGCCAAACTGAACGAAATCAACAAAGAACTCCAAGATCCCCAGAGCCTCAGCCGACCCCTTTTGCCG
 TTGCTACCCAACCTCGAATCCAAGCTGTACTCTCCAGACAGAAGCCTCAGACCTTACACGTTCTCGGAGT
 CCTTAGACAGATCATTTAATGGACAACATTTGTCAGACATGAGTTTTTTAACTCCAGGGACGAAGGCCA
 GAGTCCAGGACTGATCAGAAGTCCAGCTCCTTCAGATGAGTTCATTTCGGTAGCTACGTGCCTTCGTTT
 GGAAAAACACCAGAAAGTCAAATCCACCTAGCCAAAAAATAGCCTTTTAGATTTCCAAAGCAACATGT
 CTGAGGGCCTGAGTAAAGACAGTCTAGATTTTCATTTCAAGGAAAGAGAAAAGGCCAACCCCTGATGGAGCA
 GCTGTTCCGCCACCAGCGCCAGCGCCAGCGCCACCAACACCAGCGCCAGCACACCACCAACACCACCACC
 AACACCAACACCAACACCAACACCAACACCAACCAACTGCAATGTCCCCTCCAAGAGCATTGACTCAC
 ATTTCCCTGCTGCCAGCAGAGGTGACTTGGACCCTCTTCATTTCTCCTCCGGGGACAGAAGCAGCAGAGT
 CCGGGAGCCTGATGGTGAAGATGAAGACCTTTTCTCAGCGAAGGAAGAGTTTTAATCCAAATAGACAC
 CGGTTGAAGCACACGAGCACTAAGCCAACAGTACGGCCGTTGACTCTATTGACGAGGACATTGAAGAGG
 TTACCCCTCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013954
Insert Size: 2184 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_001013954.1</u> , <u>NP_001013976.1</u>
RefSeq Size:	3152 bp
RefSeq ORF:	2184 bp
Locus ID:	300866
UniProt ID:	<u>Q5U2Y9</u>
Cytogenetics:	8q31
Gene Summary:	Involved in intraflagellar protein (IFT) transport in photoreceptor cilia.[UniProtKB/Swiss-Prot Function]