

Product datasheet for MC203931

Rlbp1 (NM_020599) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rlbp1 (NM_020599) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rlbp1
Synonyms:	3110056M11Rik; CRALBP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC016268
 GAAAGAGCTGTCAAGGACGGTCAAGACTCGGATGAAATCACACAAGTGTGAGAGACAGCATTG
 CAATCCAGGCCACACCCTGCTGCCCCAAGCTTCTTGGTGTCTACAGAAGTACAAGTGTGCT
 TCAAGAGGCAGTATGTACAGACGGGTGGCACTTTCCGCATGGTTCTGAAGAGGAGCAGGAGCTCCGAG
 CACAAGTGGAGCAGCTCACAAACCAAGGATCATGGTCTGTCTTTGGCCATGCAGCCAGCTGCCCGCCA
 CACTTTGCAGAAGGCCAAGGATGAGCTGAATGAAAAGGAGGAGACCCGGGAGGAAGCGGTGAGGGAGCTA
 CAGGAGCTGGTACAGGCACAGGCAGCTTCTGGCGAGGAATTGGCCCTGGCAGTGGCTGAGAGGGTGCAGG
 CAAGAGACAGCGCTTCTCCTGCGCTTCCGTGCCGCAAGTTCGATGTGGTGGTGTGCTTATGAGCT
 GCTCAAAGGCTATGTGAAGTCCGCTCCAGTACCCTGAAGTCTTCGATAGTCTCCATGGAGGCTCTC
 CGCTGCACTATCGAGGCCGATACCTGGTGTCTTTCCAGTCCGGACAAGTATGGTGGTGGTATGATG
 TCTTCAACATCGAAAAGTGGCACTGTGAAGAAGTACCTTTGATGAGATCTTACAGGCATATTGTTTCAT
 TTTGGAGAACTGCTGGAAAATGAGGAAACCAATCAACGGCTTCTGTATTGTTGAGAAGTCAAGGGC
 TTCACCATGCAGCAGGCAGCAGGCTCCGCCCTCGGATCTCAAGAAGATGGTGGACATGCTCCAGGATT
 CATTCCCAGCCAGGTTCAAAGCTATCCACTTCCACCAGCCATGGTACTTCCACCACCTATAATGT
 GGTCAAGCCCTTCTTGAAGAACAAGCTGTACAGAGGGTCTTTGTTACCGGAGATGACCTGGATGGCTTC
 TTCCAGGAGATTGATGAGAATCCTGCCTGCTGACTTTGGGGTACACTGCCAAGTACGACGGCAAG
 TTGTTGCTGAGCAGCTCTTTGGTCCCGGGTGAAGTTGAGAACAACAGCCTTATGAGGAGATGCCCTGCC
 ATGGGATCCGTATTAGCATCCAGTCTTCTTCAGCTTTCCAGTCCGGAAGTCCGGGACAGGAATGCCT
 GAAGGACTGTTTTCCAGACTTCCCTAGGTTTGAAGCAGCTCTAGTGGCACCTCATCCCAACCCGACT
 AGAGGGCAGTGAAGCAGGGGAATGCCTTTCATCGGGAGATATGTGGGCAGTAAATTCCACCTGCCTC
 TGCAAGTACAGGCAGTACTCTGAGAGAAGTTGGATTTCAAAAGACTAATTAGGCTTCTCCGTGATTTCC
 TTTGTAATCGCTTTGATACTTAGGGCGTGAAGGCAGAGTTAAAGGCATACTTGCATTCAGTAAAAAGA
 AGAAAGAGAGGGGCTTGAAGCTCTGATGATCTTAAACAGCAGTAGGCAGATAAGGGGTTTCCACCCAGGA
 TTCCAGGGAGGGCCAGCAACCTTAGCACAGTTGCTGATGAATACTCTAGTAGCTAAGAGCTCTGGACTC
 TGCCAGGGTGGAGGTATGTCCCTTCTCCACCCATCTTGGATGTGATCCTTGGTGTGGGGCCCCC
 ATTCACTAGATGCTGTAGGCTTTGTTGATGGTTTTACTTAAATGTACCTTTGACATCTTCCCCGAACAC
 TCTCAGTCTTATTAGGCAAATAAAACCGTTCTTTGTCTGTGTCAAAAAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_020599
Insert Size:	954 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:	BC016268 , AAH16268
RefSeq Size:	1812 bp
RefSeq ORF:	954 bp
Locus ID:	19771
UniProt ID:	Q9Z275
Cytogenetics:	7 45.0 cM
Gene Summary:	Soluble retinoid carrier essential the proper function of both rod and cone photoreceptors. Participates in the regeneration of active 11-cis-retinol and 11-cis-retinaldehyde, from the inactive 11-trans products of the rhodopsin photocycle and in the de novo synthesis of these retinoids from 11-trans metabolic precursors. The cycling of retinoids between photoreceptor and adjacent pigment epithelium cells is known as the 'visual cycle'. [UniProtKB/Swiss-Prot Function]