

RLBP1 cDNA

Catalog Number: ATGD0422

PRODUCT INFORMATION

Catalog number

ATGD0422

Product type

cDNA

Species

Human

NCBI Accession No.

NP_000317.1

Alternative Names

CRALBP

mRNA Refseq

NM_000326.4

OMIM

180090

Chromosome location

15q26

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

954bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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RLBP1 is a 36-kD water-soluble protein which carries 11-cis-retinaldehyde or 11-cis-retinal as physiologic ligands. It may be a functional component of the visual cycle. Mutations of this gene have been associated with severe rod-cone dystrophy, Bothnia dystrophy (nonsyndromic autosomal recessive retinitis pigmentosa) and retinitis punctata albescens.

DATA

Sequence nucleotides

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ATGTCAGAAGGGGTGGGCACGTTCCGCATGGTACCTGAAGAGGAACAGGAGCTCCGTGCCCAACTGGAGCAGCTCACAAC
CAAGGACCATGGACCTGTCTTTGGCCCGTGACCCAGCTGCCCGCCACACCTTGCGAGAAGGCCAAGGATGAGCTGAACG
AGAGAGAGGAGACCCGGGAGGAGGCAGTGCGAGAGCTGCAGGAGATGGTGAGGCGCAGGCGGCCTCGGGGGAGGAGC
TGGCGGTGGCCGTGGCGGAGAGGGTGCAAGAGAAGGACAGCGGCTTCTTCCTGCGCTTCATCCGCGCACGGAAGTTCAAC
GTGGGCCCGTGCTATGAGCTGCTCAGAGGCTATGTGAATTTCCGGCTGCAGTACCCTGAGCTCTTTGACAGCCTGTCCCA
GAGGCTGTCCGCTGCACCATTAAGCTGGCTACCCTGGTGTCTCTCTAGTCGGGACAAGTATGGCCGAGTGGTGTCATGCTC
TTCAACATTGAGAACTGGCAAAGTCAAGAAATCACCTTTGATGAGATCTTGAGGCATATTGCTTCATCCTGGAGAAGCTGC
TGGAGAATGAGGAACTCAAATCAATGGCTTCTGCATCATTGAGAACTTCAAGGGCTTTACCATGCAGCAGGCTGCTAGTCT
CCGGACTTCAGATCTCAGGAAGATGGTGGACATGCTCCAGGATTCTTCCCAGCCCGGTTCAAAGCCATCCACTTCATCCAC
CAGCCATGGTACTTCACCACGACCTACAATGTGGTCAAGCCCTTCTTGAAGAGCAAGCTGCTTGAGAGGGTCTTTGTCCACG
GGGATGACCTTTCTGGTTTCTACCAGGAGATCGATGAGAACATCCTGCCCTCTGACTTCGGGGGCACGCTGCCCAAGTATG
ATGGCAAGGCCGTTGCTGAGCAGCTCTTTGGCCCCCAGGCCCAAGCTGAGAACACAGCCTTCTGA
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Transaction Sequence

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MSEGVGTFRM VPEEEQELRA QLEQLTTKDH GPVFGPCSQL PRHTLQKAKD ELNEREETRE EAVRELQEMV QAQAASGEEL
AVAVAERVQE KDSGFFLRFI RARKFNVGRA YELLRGYVNF RLQYPELFDS LSPEAVRCTI EAGYPGVLSS RDKYGRVVML
FNENWQSQE ITFDEILQAY CFILKLEN EETQINGFCI IENFKGFTMQ QAASLRSDL RKMVDMLQDS FPARFKAIHF
IHQPWYFTTT YNVVKPFLKS KLLERVVHGH DDLSGFYQEI DENILPSDFG GTLPKYDGKA VAEQLFGPQA QAENTAF
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