

RBP1 cDNA

Catalog Number: ATGD0026

PRODUCT INFORMATION

Catalog number

ATGD0026

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002890.2

Alternative Names

Retinol binding protein 1, RBPC, CRABP-I, CRBPI, CRBP, CRBP1, Cellular retinol binding protein 1

mRNA Refseq

NM_002899.3

OMIM

180260

Chromosome location

3q23

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

594bp

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 EcoR 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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RBP1 (Retinol binding protein 1) belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. RBP1 is the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. RBP1 can also act as a bridging molecule to recruit histone deacetylases (HDACs), proteins that function as potent regulators of gene expression. This protein is detected in nearly all the tissues with higher expression in adult ovary, pancreas, pituitary gland and adrenal gland, and fetal liver

DATA

Sequence nucleotides

```
ATGGATCCTC CCGCAGGCTT TGTGCGCGCT GGGAATCCAG CTGTCGCCGC CCCGCAGAGC CCCCTGTCCC  
CGGAGGGCGC TCATTTCCGG GCCGCCACC ACCCGCGTAG CACCGGCAGC CGCTGTCCCG GCAGTCTCCA  
GCCGTCCCGC CCGCTTGTGG CCAACTGGCT CCAGTCACTC CCCGAAATGC CAGTCGACTT CACTGGGTAC  
TGGAAGATGT TGGTCAACGA GAATTTGAG GAGTACCTGC GCGCCCTCGA CGTCAATGTG GCCTTGCGCA  
AAATCGCCAA CTTGCTGAAG CCAGACAAAG AGATCGTGCA GGACGGTGAC CATATGATCA TCCGCACGCT  
GAGCACTTTT AGGAACTACA TCATGGACTT CCAGGTTGGG AAGGAGTTT AGGAGGATCT GACAGGCATA  
GATGACCGCA AGTGCATGAC AACAGTGAGC TGGGACGGAG ACAAGCTCCA GTGTGTGCAG AAGGGTGAGA  
AGGAGGGGCG TGGCTGGACC CAGTGGATCG AGGGTGATGA GCTGCACCTG GAGATGAGAG TGGAAGGTGT  
GGTCTGCAAG CAAGTATTCA AGAAGGTGCA GTGA
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Transaction Sequence

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MDPPAGFVRA GNPAAAPQS PLSPEGAHFR AAHHRSTGS RCPGSLQPSR PLVANWLQSL PEMPVDFTGY WKMLVNENFE  
EYLRALDVNV ALRKIANLLK PDKEIVQDGD HMIIRLSTF RNYIMDFQVG KEFEEDLTGI DDRKCMTTVS WDGDKLQCVQ  
KGEKEGRGWT QWIEGDELHL EMRVEGVVCK QVFKKVQ
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