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

RBP1 cDNA

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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 GCCGCCCACC ACCCGCGTAG CACCGGCAGC CGCTGTCCCG GCAGTCTCCA
GCCGTCCCGC CCGCTTGTGG CCAACTGGCT CCAGTCACTC CCCGAAATGC CAGTCGACTT CACTGGGTAC
TGGAAGATGT TGGTCAACGA GAATTTCGAG GAGTACCTGC GCGCCCTCGA CGTCAATGTG GCCTTGCGCA
AAATCGCCAA CTTGCTGAAG CCAGACAAAG AGATCGTGCA GGACGGTGAC CATATGATCA TCCGCACGCT
GAGCACTTTT AGGAACTACA TCATGGACTT CCAGGTTGGG AAGGAGTTTG AGGAGGATCT GACAGGCATA
GATGACCGCA AGTGCATGAC AACAGTGAGC TGGGACGGAG ACAAGCTCCA GTGTGTGCAG AAGGGTGAGA
AGGAGGGGCG TGGCTGGACC CAGTGGATCG AGGGTGATGA GCTGCACCTG GAGATGAGAG TGGAAGGTGT
GGTCTGCAAG CAAGTATTCA AGAAGGTGCA GTGA

Transaction Sequence

MDPPAGFVRA GNPAVAAPQS PLSPEGAHFR AAHHPRSTGS RCPGSLQPSR PLVANWLQSL PEMPVDFTGY WKMLVNENFE
EYLRALDVNV ALRKIANLLK PDKEIVQDGD HMIIRTLSTF RNYIMDFQVG KEFEEDLTGI DDRKCMTTVS WDGDKLQCVQ
KGEKEGRGWT QWIEGDELHL EMRVEGVVCK QVFKKVQ