

CBY1 cDNA

Catalog Number: ATGD0074

PRODUCT INFORMATION

Catalog number

ATGD0074

Product type

cDNA

Species

Human

NCBI Accession No.

NP_056188.1

Alternative Names

arb1, C22orf2, CBY, HS508I15A, PGEA1, PIGEA-14, PIGEA14

mRNA Refseq

NM_015373.3

OMIM

607757

Chromosome location

22q12

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

381bp

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 Nde 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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Beta-catenin is a transcriptional activator and oncoprotein involved in the development of several cancers. CBY1 encoded by this gene interacts directly with the C-terminal region of beta-catenin, inhibiting oncogenic beta-catenin-mediated transcriptional activation by competing with transcription factors for binding to beta-catenin. Two transcript variants encoding different isoforms have been found for this gene.

DATA

Sequence nucleotides

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ATGCCTTTCT TTGGAATAC GTTCAGTCCG AAGAAGACAC CTCCTCGGAA GTCGGCATCT CTCTCCAACC
TGCATTCTTT GGATCGATCA ACCCGGGAGG TGGAGCTGGG CTTGGAATAC GGATCCCCGA CTATGAACCT
GGCAGGGCAA AGCCTGAAGT TTGAAAATGG CCAGTGGATA GCAGAGACAG GGGTTAGTGG CGGTGTGGAC
CGGAGGGAGG TTCAGCGCCT TCGCAGGCGG AACCAGCAGT TGGAGGAAGA GAACAATCTC TTGCGGCTGA
AAGTGGACAT CTTATTAGAC ATGCTTTCAG AGTCCACTGC TGAATCCCAC TTAATGGAGA AGGAACTGGA
TGAAGTGGAG ATCAGCCGGA AGAGAAAATG A
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Transaction Sequence

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MPFFGNTFSP KKTPPRKSAS LSNLHSLDRS TREVELGLEY GSPTMNLAGQ SLKFENGQWI AETGVSGGVD RREVQRLRRR
NQQLEEENNL LRLKVDILLD MLSESTAESH LMEKELDEL RISRKRK
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