

## CBY1 cDNA

Catalog Number: ATGD0074

### PRODUCT INFORMATION

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**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

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**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**

**CBY1 cDNA**

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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**

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**Sequence nucleotides**

```
ATGCCTTTCT TTGGGAATAC 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
```

**Transaction Sequence**

```
MPFFGNTFSP KKTPPRKSAS LSNLHSLDRS TLEVELGLEY GSPTMNLGQ SLKFENGQWI AETGVSGGVD RREVQRLRRR
NQQLEENNL LRLKVDILLD MLSESTAESH LMEKELDEL RISRKRK
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