PHB2 cDNA

Catalog Number: ATGD0027

PRODUCT INFORMATION

Catalog number
ATGD0027

Product type
cDNA

Species
Human

NCBI Accession No.
NP_001138303.1

Alternative Names
Prohibitin 2, Bap37, p22, B cell receptor associated protein 37, BAP, BCAP37, PNAS-141, REA

mRNA Refseq
NM_001144831.1

OMIM
610704

Chromosome location
12p13

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
900bp

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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PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases by similarity. This protein functions as an estrogen receptor (ER) -selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. PHB2 competes with NCOA1 for modulation of ER transcriptional activity. It is probably involved in regulating mitochondrial respiration activity and in aging

DATA

Sequence nucleotides

ATGGCCCAGA ACTTGAAGGA CTTGGCGGGA CGGCTGCCCG CCGGGCCCCG GGGCATGGGC ACGGCCCTGA
AGCTGTTGCT GGGGGCCGGC GCCGTGGCCT ACGGTGTGCG CGAATCTGTG TTCACCGTGG AAGGCGGGCA
CAGAGCCATC TTCTTCAATC GGATCGGTGG AGTGCAGCAG GACACTATCC TGGCCGAGGG CCTTCACTTC
AGGATCCCTT GGTTCCAGTA CCCCATTATC TATGACATTC GGGCCAGACC TCGAAAAATC TCCTCCCCTA
CAGGCTCCAA AGACCTACAG ATGGTGAATA TCTCCCTGCG AGTGTTGTCT CGACCCAATG CTCAGGAGCT
TCCTAGCATG TACCAGCGCC TAGGGCTGGA CTACGAGGAA CGAGTGTTGC CGTCCATTGT CAACGAGGTG
CTCAAGAGTG TGGTGGCCAA GTTCAATGCC TCACAGCTGA TCACCCAGCG GGCCCAGGTA TCCCTGTTGA
TCCGCCGGGA GCTGACAGAG AGGGCCAAGG ACTTCAGCCT CATCCTGGAT GATGTGGCCA TCACAGAGCT
GAGCTTTAGC CGAGAGTACA CAGCTGCTGT AGAAGCCAAA CAAGTGGCCC AGCAGGAGGC CCAGCGGGCC
CAATTCTTGG TAGAAAAAGC AAAGCAGGAA CAGCGGCAGA AAATTGTGCA GGCCGAGGGT GAGGCCGAGG
CTGCCAAGAT GCTTGGAGAA GCACTGAGCA AGAACCCTGG CTACATCAAA CTTCGCAAGA TTCGAGCAGC
CCAGAATATC TCCAAGACGA TCGCCACATC ACAGAATCGT ATCTATCTCA CAGCTGACAA CCTTGTGCTG
AACCTACAGG ATGAAAGTTT CACCAGGGGA AGTGACAGCC TCATCAAGGG TAAGAAATGA

Transaction Sequence

MAQNLKDLAG RLPAGPRGMG TALKLLLGAG AVAYGVRESV FTVEGGHRAI FFNRIGGVQQ DTILAEGLHF RIPWFQYPII
YDIRARPRKI SSPTGSKDLQ MVNISLRVLS RPNAQELPSM YQRLGLDYEE RVLPSIVNEV LKSVVAKFNA SQLITQRAQV
SLLIRRELTE RAKDFSLILD DVAITELSFS REYTAAVEAK QVAQQEAQRA QFLVEKAKQE QRQKIVQAEG EAEAAKMLGE
ALSKNPGYIK LRKIRAAQNI SKTIATSQNR IYLTADNLVL NLQDESFTRG SDSLIKGKK

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