CACYBP cDNA

Catalog Number: ATGD0051

PRODUCT INFORMATION

Catalog number
ATGD0051

Product type
cDNA

Species
Human

NCBI Accession No.
NP_001007215.1

Alternative Names
GIG5, PNAS-107, S100A6BP, SIP

mRNA Refseq
NM_001007214.1

OMIM
606186

Chromosome location
1q24-q25

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
558bp

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 BamH 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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CACYBP is primarily a nuclear protein that contains one CS domain and one SGS domain. It is believed to be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It most likely serves as a molecular bridge in ubiquitin E3 complexes. It also participates in the ubiquitin-mediated degradation of beta-catenin. CACYBP is thought to be a potential inhibitor of cell growth and invasion in the gastric cancer cell through its effects on beta-catenin protein expression and transcriptional activation of TCF/LEF.

DATA

Sequence nucleotides

ATGCAACAGA AATCACAGAA GAAAGCAGAA CTTCTTGATA ATGAAAAACC AGCTGCTGTG GTTGCTCCCA
TTACAACGGG CTATACGGTG AAAATCAGTA ATTATGGATG GGATCAGTCA GATAAGTTTG TGAAAATCTA
CATTACCTTA ACTGGAGTTC ATCAAGTTCC CACTGAGAAT GTGCAGGTGC ATTTCACAGA GAGGTCATTT
GATCTTTTGG TAAAGAATCT AAATGGGAAG AGTTACTCCA TGATTGTGAA CAATCTCTTG AAACCCATCT
CTGTGGAAGG CAGTTCAAAA AAAGTCAAGA CTGATACAGT TCTTATATTG TGTAGAAAGA AAGTGGAAAA
CACAAGGTGG GATTACCTGA CCCAGGTTGA AAAGGAGTGC AAAGAAAAAG AGAAGCCCTC CTATGACACT
GAAACAGATC CTAGTGAGGG ATTGATGAAT GTTCTAAAGA AAATTTATGA AGATGGAGAC GATGATATGA
AGCGAACCAT TAATAAAGCC TGGGTGGAAT CAAGAGAGAA GCAAGCCAAA GGAGACACGG AATTTTGA

Transaction Sequence

MQQKSQKKAE LLDNEKPAAV VAPITTGYTV KISNYGWDQS DKFVKIYITL TGVHQVPTEN VQVHFTERSF DLLVKNLNGK
SYSMIVNNLL KPISVEGSSK KVKTDTVLIL CRKKVENTRW DYLTQVEKEC KEKEKPSYDT ETDPSEGLMN VLKKIYEDGD
DDMKRTINKA WVESREKQAK GDTEF