Recombinant human CACYBP protein

Catalog Number: ATGP0566

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-185aa

UniProt No.
Q9HB71

NCBI Accession No.
NP_001007215

Alternative Names
Clcyclin-binding protein, GIG5, PNAS-107, RP1-102G20.6, S100A6BP, SIP, Clcyclin-binding protein CACYBP, Calcyclin binding protein, GIG 5, Growth inhibiting gene 5, Growth inhibiting gene 5 protein, hCacyBP, MGC87971, PNAS 107, PNAS107, RP1 102G20.6, S100A6 binding protein.

PRODUCT SPECIFICATION

Molecular Weight
23.4 kDa (205aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
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

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gastric cancer cell through its effects on beta-catenin protein expression and transcriptional activation of TCF/LEF. Recombinant human CACYBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

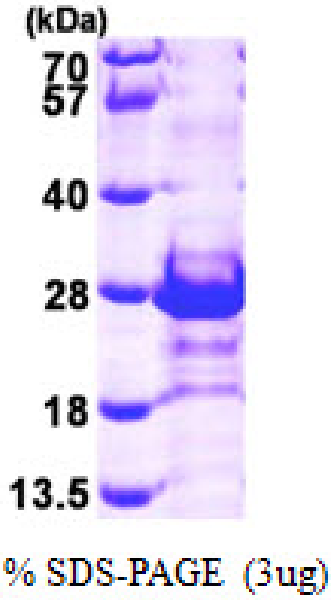
MGSSHHHHHH SSGLVPRGSH MQQKSQKKAE LLDNEKPAAV VAPITTGYTV KISNYGWDQS DKFVKIYITL TGVHQVPTEN VQVHFTERSF DLLVKNLNGK SYSMIVNNLL KPISVEGSSK KVKTDTVLIL CRKKVENTRW DYLTQVEKEC KEKEKPSYDT ETDPSEGLMN VLKKIYEDGD DDMKRTINKA WVESREKQAK GDTEF

General References

Matsuzawa SI., et al. (2001) Mol Cell. 7(5):915-26.
Filipek A., et al. (2002) J Biol Chem. 277(23):21103-9.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.