

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

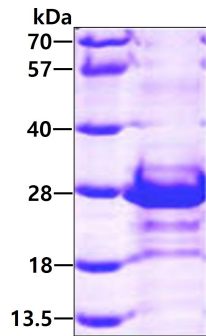
<MGSSHHHHHH SSGLVPRGSH> MQQKSQKKAELLDNEKPAAVVAPITTYGYTVKISNYGWDQS DKFVKIYITL
TGVHQVPTEN VQVHFTEFSF DLLVKNLNGK SYSMIVNNLL KPISVEGSSK KVKTDTVLIL CRKKVENTRW DYLTQVEKEC
KEKEKPSYDT ETDPSGLMN VLKKIYEDGD DDMKRTINKA WVESREKQAK GDTEF

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



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