

Recombinant Human Calcyclin Binding Protein, His-tagged

Cat. No. CACYBP-54H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CACYBP protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW =23.4 kDa (205aa).
Species	Human
Source	E.coli
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 β -catenin. CACYBP is thought to be a potential inhibitor of cell growth and invasion in the gastric cancer cell through its effects on β -catenin protein expression and transcriptional activation of TCF/LEF.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl.
Purity	> 85% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MQQKSQKKAEE LLDNEKPAAV VAPITGGYTV KISNYGWDQS DKFVKIYITL TGVHQVPTEN VQVHFTERSF DLLVKNLNGK

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SYSMIVNNLL KPISVEGSSK KVKTDTVLIL CRKKVENTRW DYLTQVEKEC
 KEKEKPSYDT ETDPSSEGLMN VLKKIYEDGD DDMKRTINKA WVESREKQAK
 GDTEF.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

CACYBP calcyclin binding protein [Homo sapiens]

Synonyms

calcyclin binding protein; SIP; GIG5; MGC87971; PNAS-107; S100A6BP; RP1-102G20.6; CACYBP; calcyclin-binding protein; hCacyBP; S100A6-binding protein; Siah-interacting protein (SIP); growth-inhibiting gene 5 protein; OTTHUMP00000201857; Siah-interacting protein; CacyBP

Gene ID

27101

mRNA Refseq

NM_001007214

Protein Refseq

NP_001007215

MIM

606186

UniProt ID

Q9HB71

Chromosome Location

1q24-q25

Pathway

Wnt signaling pathway

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Function

protein binding; protein homodimerization activity

**PDB rendering based
on 1x5m.**



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