

# Recombinant Human CACYBP Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CACYBP-844H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CACYBP MS Standard C13 and N15-labeled recombinant protein (NP_001007215) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The protein encoded by this gene is a calcyclin binding protein. It may be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It probably serves as a molecular bridge in ubiquitin E3 complexes and participates in the ubiquitin-mediated degradation of beta-catenin. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 26.18 kDa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MASEELQKDLEEVKVLLEKATRKRVRDALTAEKSKIETEIKNKMQQKSQKKAELLDN<br>EKPAAVVAPITTGTYVKISNYGWDQSDKFVKIYITLTGVHQVPTENVQVHFTERSFDL<br>LVKNLNGKSYSMIVNNLLKPISVEGSSKKVKTDTVLILCRKKVENTRWDTLTQVEKEC<br>KEKEKPSYDTETDPSEGLMNVLKKIYEDGDDDMKQTINKAWVESREKQAKGDTEFT<br>RTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                                                                                         |

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CACYBP calcyclin binding protein [ Homo sapiens (human) ]

**Official Symbol** CACYBP

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

**Gene ID** 27101

**mRNA Refseq** NM\_001007214

**Protein Refseq** NP\_001007215

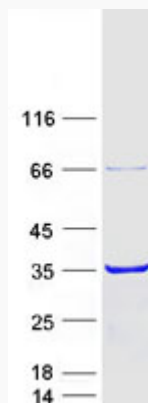
**MIM** 606186

**UniProt ID** Q9HB71

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**SDS-PAGE**

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