

# Recombinant Mouse Cby1 Protein, Myc/DDK-tagged

**Cat. No.** Cby1-1978M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length chibby family member 1, beta catenin antagonist (Cby1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Inhibits the Wnt/Wingless pathway by binding to CTNNB1/beta-catenin and inhibiting beta-catenin-mediated transcriptional activation through competition with TCF/LEF transcription factors. Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins. Promotes adipocyte and cardiomyocyte differentiation. |
| <b>Molecular Mass</b>   | 14.5 kDa                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                    |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Cby1 chibby family member 1, beta catenin antagonist [ Mus musculus (house mouse) ]

**Official Symbol** Cby1

**Synonyms** Cby1; chibby family member 1, beta catenin antagonist; ar; CBY; Pge; PGEA; arb1; Pgea1; PGEA14; 1110014P06Rik; protein chibby homolog 1; PIGEA-14; PKD2 interactor, Golgi and endoplasmic reticulum-associated 1; PKD2 interactor, golgi and endoplasmic reticulum associated 1; chibby homolog 1; cytosolic leucine-rich protein

**Gene ID** 73739

**mRNA Refseq** NM\_028634

**Protein Refseq** NP\_082910

**UniProt ID** Q9D1C2

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