

## Recombinant Human CBY1 Protein (Lys12-Glu115), His tagged

Cat. No. CBY1-1388H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant human CBY1 (Lys12-Glu115) fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                  |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                               |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                              |
| ProteinLength    | Lys12-Glu115                                                                                                                                                                                                                                                                                                                                                                                        |
| Description      | 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. |
| Form             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                    |
| Molecular Mass   | 13.86 kDa                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                     |
| Notes            | For research use only.                                                                                                                                                                                                                                                                                                                                                                              |
| Storage          | Use a manual defrost freezer and avoid repeated freeze thaw cycles.<br>Store at 2 to 8 centigrade for one week.                                                                                                                                                                                                                                                                                     |

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|                       |                                                                                |
|-----------------------|--------------------------------------------------------------------------------|
|                       | Store at -20 to -80 centigrade for twelve months from the date of receipt.     |
| <b>Storage Buffer</b> | Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.        |
| <b>Reconstitution</b> | Reconstitute in sterile water for a stock solution.                            |
| <b>Shipping</b>       | They are shipped out with dry ice/blue ice unless customers require otherwise. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CBY1 chibby 1, beta catenin antagonist [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | CBY1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | CBY1; chibby 1, beta catenin antagonist; CBY; arb1; PGEA1; C22orf2; Chibby1; PIGEA14; PIGEA-14; HS508I15A; protein chibby homolog 1; ARPP-binding protein; PKD2 interactor, Golgi and endoplasmic reticulum-associated 1; chibby CTNNB1-mediated transcription inhibitor; chibby family member 1, beta catenin antagonist; chibby homolog 1; coiled-coil protein PIGEA-14; cytosolic leucine-rich protein; polycystin-2 interactor, Golgi- and endoplasmic reticulum-associated protein, 14 kDa |
| <b>Gene ID</b>         | 25776                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_015373                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_056188                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>             | 607757                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>      | Q9Y3M2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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