

## Recombinant Human PHB2 Protein, His-tagged

**Cat. No.** PHB2-2587H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Recombinant Human PHB2 Protein (Ala2-Lys299) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Ala2-Lys299                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Enables several functions, including protein C-terminus binding activity; protein N-terminus binding activity; and protein dimerization activity. Involved in several processes, including defense response to virus; positive regulation of cell cycle phase transition; and regulation of transcription, DNA-templated. Located in several cellular components, including cell surface; mitochondrial membrane; and nuclear matrix. Part of mitochondrial prohibitin complex. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 36.9 kDa<br>Accurate Molecular Mass: 37 kDa                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-0.5 mg/mL. Do not vortex.                                                                                                                                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PHB2 prohibitin 2 [ Homo sapiens (human) ]                                                                                                                                                                       |
| <b>Official Symbol</b> | PHB2                                                                                                                                                                                                             |
| <b>Synonyms</b>        | PHB2; prohibitin 2; prohibitin-2; Bap37; BCAP37; p22; REA; D-prohibitin; B-cell associated protein; repressor of estrogen receptor activity; B-cell receptor-associated protein BAP37; BAP; PNAS-141; MGC117268; |
| <b>Gene ID</b>         | 11331                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_007273                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_009204                                                                                                                                                                                                        |
| <b>MIM</b>             | 610704                                                                                                                                                                                                           |

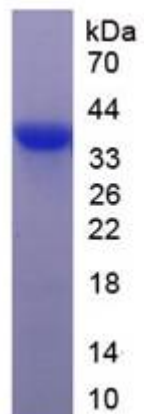
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UniProt ID

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