

## Recombinant Human prohibitin 2, His-tagged

**Cat. No.** PHB2-230H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	PHB2, 1-299aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-299 a.a.
<b>Description</b>	PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases by similarity. This protein functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. PHB2 competes with NCOA1 for modulation of ER transcriptional activity. It is probably involved in regulating mitochondrial respiration activity and in aging. Recombinant human PHB2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
<b>Molecular Mass</b>	35.7 kDa (322aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMAQNLKD LAGRLPAGPR GMGTALKLLL GAGAVAYGVR ESVFTVEGGH RAIFFNRIGG VQQDTILAEGLHFRIPWFQY PIIYDIRARP RKISSPTGSK DLQMVNISR VLSRPNAQEL PSMYQRLGLD YEERVLPSIV NEVLKSVVAK FNASQLITQR AQVSLIRRE LTERAKDFSL ILDDVAITEL SFSREYTA AV EAKQVAQQEA QRAQFLVEKA KQEQRQKIVQ

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AEGEAEAAKM LGEALSKNPG YIKLRKIRAA QNISKTIATS QNRIYLTADN  
LVLNLQDESF TRGSDSLIKG KK

**Purity** >85% by SDS - PAGE

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

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [PHB2 prohibitin 2 \[ Homo sapiens \]](#)

**Official Symbol** PHB2

**Synonyms** 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;

**Gene ID** [11331](#)

**mRNA Refseq** [NM\\_007273](#)

**Protein Refseq** [NP\\_009204](#)

**MIM** [610704](#)

**UniProt ID** [Q99623](#)

**Chromosome Location** 12p13

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**Function**

estrogen receptor binding; protein binding; receptor activity;

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