Recombinant Human prohibitin 2, His-tagged

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

SPECIFICATION

Product Overview	PHB2, 1-299aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-299 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	35.7 kDa (322aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAQNLKD LAGRLPAGPR GMGTALKLLL GAGAVAYGVR ESVFTVEGGH RAIFFNRIGG VQQDTILAEG LHFRIPWFQY PIIYDIRARP RKISSPTGSK DLQMVNISLR VLSRPNAQEL PSMYQRLGLD YEERVLPSIV NEVLKSVVAK FNASQLITQR AQVSLLIRRE LTERAKDFSL ILDDVAITEL SFSREYTAAV 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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