

# Recombinant human Prohibitin 2 protein

Catalog Number: ATGP2184

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-299aa

**UniProt No.**

Q99623

**NCBI Accession No.**

NP\_001138303.1

**Alternative Names**

Prohibitin 2, Bap37, p22, B cell receptor associated protein 37, BAP, BCAP37, PNAS-141, REA, PHB2

## PRODUCT SPECIFICATION

**Molecular Weight**

35.7 kDa (322aa)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

**Purity**

> 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE, Denatured

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAQNLKD LAGRLPAGPR GMGTALKLLL GAGAVAYGVR ESVFTVEGGH  
RAIFFNRIGG VQQDTILAEG LHFRIWPFQY PIYDIRARP RKISSPTGSK DLQMVNISLR VLSRPNAQEL PSFYQRLGLD  
YEERVLPSIV NEVLKSVVAK FNASQLITQR AQVSLIRRE LTERAKDFSL ILDDVAITEL SFSREYTAHV EAKQVAQQA  
QRAQFLVEKA KQEQRQKIVQ AEGEAEAAKM LGEALSKNPG YIKLRKIRAA QNISKTIATS QNRIYLTADN LVLNLQDEF  
TRGSDSLIKG KK

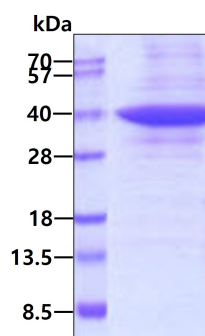
## General References

Kategaya,L.S., et al. (2012) PLoS ONE 7 (2), E31987

Emerson,V., et al. (2010) J. Virol. 84 (3), 1355-1365

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.