

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 VQDITLAEG LHFRIWPFQY PIIYDIRARP RKISSPTGSK DLQMVNLSR VLSRPNAQEL PSMYQRLGLD
YEERVLPSIV NEVLKSVVAK FNASQLITQR AQVSLIRRE LTERAKDFSL ILDDVAITEL SFSREYTA AV EAKQVAQQA
QRAQFLVEKA KQEQRQKIVQ AEGEAEAAKM LGEALSKNPG YIKLRKIRAA QNISKTIATS QNRIYLTADN LVLNLQDES
TRGSDSLIKG KK

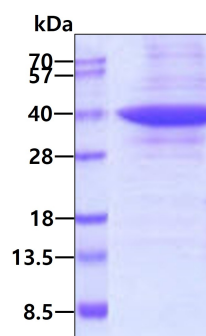
General References

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



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