

PHB2, 1-299aa, Human, His tag, E.coli

Cat.NO.: TP03391

3th Edition

Synonyms:Prohibitin 2, BAP, Bap37, BCAP37, p22, PNAS-141, REA

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 Weight:35.7 kDa (322aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMANLKDLAGRLPAGPRGMGTALKLLLGGAGAVAYGVRESVFTVEGGHRAIF
FNRIGGVQQDTILAEGLHFRIPWFQYPIIYDIRARPRKISSPTGSKDLQMVNISLRVLSRPNAQELPSMYQRLGLDYE
ERVLPSIVNEVLKSVVAKFNASQLITQRAQVSLIRRELTERAKDFSLILDDVAITELSFREYTA AVEAKQVAQQEAQ
RAQFLVEKAKQEQRQKIVQAEGEAEAAKMLGEALSKNPGYIKLRKIRAAQNISKTIATSQNRIYLTADNLVLNLQDES
FTRGSDSLIKGKK

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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