

## 32-4449: Recombinant Human Prohibitin 2

**Alternative Name :** BAP,Bap37,BCAP37,p22,PNAS-141,REA,Prohibitin-2,B-cell receptor-associated protein BAP37,D-prohibitin,Repressor of estrogen receptor activity,PHB2.

### Description

Source : Escherichia Coli. PHB2 Human Recombinant produced in E. coli is a single polypeptide chain containing 322 amino acids (1-299) and having a molecular mass of 35.7kDa. PHB2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Prohibitin 2, also known as PHB2, mediates transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases by similarity. PHB2 functions as an estrogen receptor (ER)-selective coregulator which potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. PHB2 which is involved in regulating mitochondrial respiration activity and in aging, competes with NCOA1 for modulation of ER transcriptional activity.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The PHB2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMAQNLKD LAGRLPAGPR GMGTALKLLL GAGAVAYGVR  
 ESVFTVEGGH RAIFNRRIGG VQQDTILAEG LHFRIPIWFQY PIYDIRARP RKISSPTGSK DLQMVNISLR  
 VLSRPNAQEL PSMYQRLGLD YEERVLPSIV NEVLKSVAK FNASQLITQR AQVSLIRRE LTERAKDFSL  
 ILDDVAITEL SFSREYTA AV EAKQVAQQA QRAQFLVEKA KQEQRKIVQ AEGEAEEAKM LGEALSKNPG  
 YIKLRKIRAA QNISKTIATS QNRIYLTADN LVLNLQDESF TRGSDSLIKG KK.

