9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PHB2 Human

Prohibitin 2 Human Recombinant
RCP1640

Product Overview

Name	PHB2 Human
Description	
Prohibitin 2 Human Recombinant	
Accession (Primary)	Q99623
Synonyms	
BAP, Bap37, BCAP37, p22, PNAS-141, REA, Prohibitin-2, B-cell receptor-associated protein BAP37, D-prohibitin, Repressor of estrogen receptor activity, PHB2.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The PHB2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAQNLKD LAGRLPAGPR GMGTALKLLL GAGAVAYGVR ESVFTVEGGH RAIFFNRIGG VQQDTILAEG LHFRIPWFQY PIIYDIRARP RKISSPTGSK DLQMVNISLR VLSRPNAQEL PSMYQRLGLD YEERVLPSIV NEVLKSVVAK FNASQLITQR AQVSLLIRRE LTERAKDFSL ILDDVAITEL	

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SFSREYTAAV EAKQVAQQEA QRAQFLVEKA KQEQRQKIVQ AEGEAEAAKM LGEALSKNPG YIKLRKIRAA QNISKTIATS QNRIYLTADN LVLNLQDESF TRGSDSLIKG KK.

Precautions

PHB2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99623)