
Product Data Sheet

Product Name: PHB2 Human
 Cat. No.: GP24177
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BAP; Bap37; BCAP37; p22; PNAS-141; REA; Prohibitin-2; B-cell receptor-associated protein BAP37; D-prohibitin; Repressor of estrogen receptor activity; PHB2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAQNLKD LAGRLPAGPR GMGTALKLLL GAGAVAYGVR ESVFTVEGGH RAIFFNRIGG VQQDTILAEGLHFRIWPFQY PIIYDIRARP RKISSPTGSK DLQMVNISR VLSRPNAQEL PSMYQRLGLD YEERVLPSIV NEVLKSVVAK FNASQLITQR AQVSLIRRE LTERAKDFSL ILDDVAITEL SFSREYTA AV EAKQVAQQA QRAQFLVEKA KQEQRQKIVQ AEGEAEAAKM LGEALSKNPG YIKLRKIRAA QNISKTIATS QNRIYLTADN LVLNLQDESF TRGSDSLIKG KK.		
Formulation	The PHB2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

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.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA