
Product Data Sheet

Product Name: PHB Human
 Cat. No.: GP24176
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PHB1; Prohibitin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAAKVFESIG KFGALAVAG GVNALYNV DAGHRAVIFD RFRGVQDIVV GEGTHFLIPW VQKPIIFDCR SRPRNVPVIT GSKDLQNVNI TLRILFRPVA SQLPRIFTSI GEDYDERVLP SITTEILKSV VARFDAGELI TQRELVSRQV SDDLTERAAT FGLILDDVSL THLTFGKEFT EAVEAKQVAQ QEAERARFVV EKAEQQKAA IISAEGDSKA AELIANSLAT AGDGLIELRK LEAAEDIAYQ LSRSRNITYL PAGQSVLLQL PQ.		
Formulation	PHB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

Prohibitin (PHB) is an evolutionarily conserved gene that is ubiquitously expressed and which Mutations have been linked to sporadic breast cancer. PHB is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Prohibitin is expressed as two transcripts with changeable lengths of 3' untranslated region. The longer transcript is present at higher levels in proliferating tissues and cells, proposing that this longer 3' untranslated region functions as a trans-acting regulatory RNA.

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.

Background

PHB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 292 amino acids (1-272a.a) and having a molecular mass of 31.9kDa.

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

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PHB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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