

AR50811PU-S

Human Prohibitin / PHB (1-272, His-tag) - Purified

Alternate names:

PHB1

Quantity:

50 µg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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

Uniprot ID:

[P35232](#)

NCBI:

[NP_002625](#)

GeneID:

[5245](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Description:

Recombinant human PHB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MAAKFESIG KFGALAVAG GVVNSALYNV DAGHRAVIFD
RFRGVQDIVV GEGTHFLIPW VQKPIIFDCR SRPRNPVIT GSKDLQNVNI TLRILFRPVA
SQLPRIFTSI GEDYDERVLP SITTEILKSV VARFDAGELI TQRELVSRQV SDDLTERAAT
FGLILDDVSL THLTFGKEFT EAVEAKQVAQ QEAERARFVV EKAEQKKAA IISAEGDSKA
AELIANSLAT AGDGLIELRK LEAAEDIAYQ LSRSRNITYL PAGQSVLLQL PQ

Molecular weight: 31.9 kDa (292aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Van Aken O. et al. (2007) Plant J. 52:850-864. Mishra S. et al. (2006) J Cell Mol Med. 10:353-363.

Pictures:

