

Recombinant Human PHB

Cat. No. PHB-29709TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Prohibitin with an N terminal proprietary tag; Predicted MWt 55.66 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	272 amino acids
Description	Prohibitin 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.
Molecular Weight	55.660kDa inclusive of tags
Tissue specificity	Widely expressed in different tissues.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAAKVFESIGKFGFLALAVAGGVVNSALYNVDAGHRAVVFD RFRGVQDIVVGEGTHF LIPWVQKPIIFDCRSRPRNVPVIT GSKDLQNVNITLRLFRPVASQLPRIFTSIGEDYDE RVLP SITTEILKSVVARFDAGELITQRELVSQRQVSDDLTERAAT FGLILDDVSLTHLTF GKEFTEAVEAKQVAQQEAERARFVV EKAEQQKKAIIAEGDSKAAELIANSLATAG DGLIELRK LEAAGDIAYQLSRSRNITYLPAGQSVLLQLPQ
Sequence Similarities	Belongs to the prohibitin family.
GENE INFORMATION	
Gene Name	PHB prohibitin [Homo sapiens]
Official Symbol	PHB
Synonyms	PHB; prohibitin; PHB1;
Gene ID	5245
mRNA Refseq	NM_002634
Protein Refseq	NP_002625
MIM	176705
Uniprot ID	P35232
Chromosome Location	17q21

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Function

histone deacetylase binding; protein binding; transcription regulatory region DNA binding;

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