

## Product datasheet for PH301229

### Prohibitin (PHB) (NM\_002634) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PHB MS Standard C13 and N15-labeled recombinant protein (NP_002625)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201229
Predicted MW:	29.6 kDa
Protein Sequence:	>RC201229 representing NM_002634 Red=Cloning site Green=Tags(s)  MAAKVFESIGKFGFLALAVAGGVNSALYNVDAGHRAVIFDRFRGVQDIVVGEGETHFLIPVQKPIIFDCR SRPRNVPVITGSKDLQNVNITLRLFRPVASQLPRIFTSIGEDYDERVLPISITTEILKSVVARFDAGELI TQRELVSRQVSDDLTERAATFGLILDDVSLTHLTFGKEFTEAVEAKQVAQQEAERARFVVEKAEQKKAA IISAEGDSKAAELIANSLATAGDGLIELRKLEAAEDIAAYQLSRSRNITYLPAGQSVLLQLPQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002625</a>
RefSeq Size:	1826
RefSeq ORF:	816
Synonyms:	HEL-215; HEL-S-54e; PHB1
Locus ID:	5245
UniProt ID:	<a href="#">P35232</a> , <a href="#">A8K401</a> , <a href="#">Q53FV0</a>



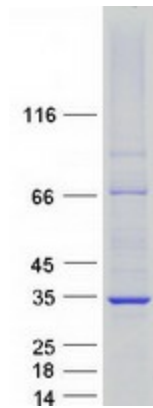
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Cytogenetics: 17q21.33

**Summary:** This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Product images:**



Coomassie blue staining of purified PHB protein (Cat# [TP301229]). The protein was produced from HEK293T cells transfected with PHB cDNA clone (Cat# [RC201229]) using MegaTran 2.0 (Cat# [TT210002]).