

Product datasheet for **SC334013**

Prohibitin (PHB) (NM_001281497) Human Untagged Clone

Product data:

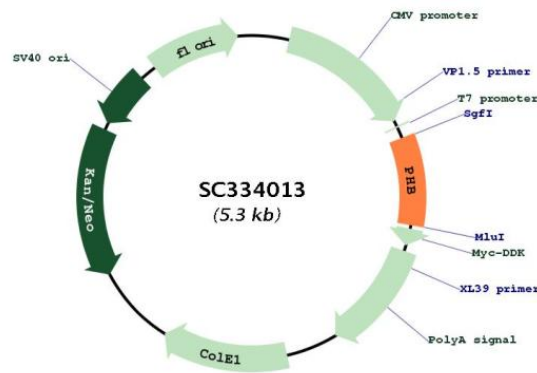
Product Type:	Expression Plasmids
Product Name:	Prohibitin (PHB) (NM_001281497) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHB
Synonyms:	HEL-215; HEL-S-54e; PHB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334013 representing NM_001281497. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTGCCAAAGTGTTTGAGTCCATTGGCAAGTTTGGCCTGGCCTTAGCTGTTGCAGGAGGCGTGGTG
AACTCTGCCTTATATAATGTGGATGCTGGGCACAGAGCTGTCATCTTTGACCGATTCCGTGGAGTGCAG
GACATTGTGGTAGGGGAAGGGACTCATTTTCTCATCCCGTGGGTACAGAAACCAATTATCTTTGACTGC
CGTTCTCGACCACGTAATGTGCCAGTCATCACTGGTAGCAAAGATTTACAGAATGTCAACATCACACTG
CGCATCTCTCCGGCCTGTCGCCAGCCAGCTTCTCGCATCTTACCAGCATCGGAGAGGACTATGAT
GAGCGTGTGCTGCCGTCCATCACAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CTAATCACCTACCTGCCAGCGGGCAGTCCGTGCTCCTCCAGCTGCCCCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001281497

Insert Size: 468 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001281497.1](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001281497.1)

RefSeq Size:	1520 bp
RefSeq ORF:	468 bp
Locus ID:	5245
UniProt ID:	P35232
Cytogenetics:	17q21.33
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW:	17 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses alternate in-frame splice sites and lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1.</p>