

## Product datasheet for **SC334966**

### Prohibitin (PHB) (NM\_001281496) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prohibitin (PHB) (NM_001281496) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHB
Synonyms:	HEL-215; HEL-S-54e; PHB1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001281496, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCCAAAGTGTGGAGTCCATTGGCAAGTTGGCCTGGCCTTAGCTGTTGCAGGAGGCGTGGTGA
ACTCTGCCTTATAATGTGGATGCTGGGCACAGAGCTGCATCTTTGACCGATTCCGTGGAGTGCAGGA
CATTGTGGTAGGGGAAGGACTCATTTTCTCATCCCGTGGGTACAGAAACCAATTATCTTTGACTGCCGT
TCTCGACCACGTAATGTGCCAGTCATCACTGGTAGCAAAGATTTACAGAATGTCAACATCACACTGCCGA
TCCTCTTCGGCCTGTGCCAGCCAGCTTCCTCGCATCTTCACCAGCATCGGAGAGGACTATGATGAGCG
TGTGCTGCCGTCCATCACAAGTCAAGTCAAGTCAAGTGGTGGCTCGCTTTGATGCTGGAGAACTAATC
ACCCAGAGAGAGCTGGTCTCCAGGCAGGTGAGCGACGACCTTACAGAGCGAGCCGCCACCTTTGGGCTCA
TCCTGGATGACGTGTCCTTGACACATCTGACCTTCGGGAAGGAGTTCACAGAAGCGGTGGAAGCCAAACA
GGTGGCTCAGCAGGAAGCAGAGAGGGCCAGATTTGTGGTGGAAAAGGCTGAGCAACAGAAAAGGCGGCC
ATCATCTGCTGAGGGCGACTCCAAGGCAGCTGAGCTGATTGCCAACTCACTGGCCACTGCAGGGGATG
GCCTGATCGAGCTGCGCAAGCTGGAAGCTGCAGAGGACATCGCGTACCAGCTCTCAGCTCTCGGAACAT
CACCTACCTGCCAGCGGGGCAGTCCGTGCTCCTCCAGCTGCCCCAGTGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001281496
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).



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**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\\_001281496.1](#), [NP\\_001268425.1](#)

**RefSeq Size:** 1919 bp

**RefSeq ORF:** 819 bp

**Locus ID:** 5245

**UniProt ID:** [P35232](#)

**Cytogenetics:** 17q21.33

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

**Gene 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]  
Transcript Variant: This variant (1) encodes isoform 1. Variants 1, 2 and 4 encode the same isoform (1).