

Product datasheet for **RG237073**

Prohibitin (PHB) (NM_001281715) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prohibitin (PHB) (NM_001281715) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHB
Synonyms:	HEL-215; HEL-S-54e; PHB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237073 representing NM_001281715. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCCAAAGTGTGGAGTCCATTGGCAAGTTGGCCTGGCCTTAGCTGTTGCAGGAGGCGTGGTG
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TCTCGGAACATCACCTACCTGCCAGCGGGCAGTCCGTGCTCCTCCAGCTGCCCCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237073
 Blue=ORF Red=Cloning site Green=Tag(s)

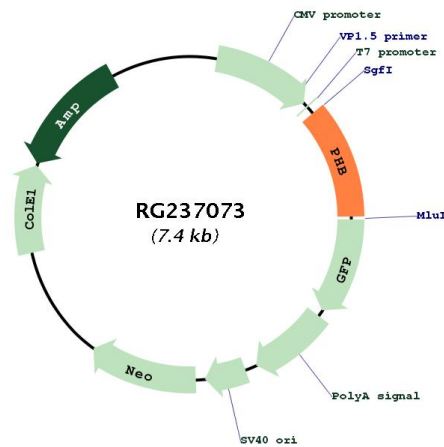
MAAKVFESIGKFGALAVAGGVNSALYNVDAGHRAVIFDRFRGVQDIVVGGETHFLIPWVQKPIIFDC
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 LITQRELVSRQVSDDLTERAATFGLILDDVSLHLTFGKEFTEAVEAKQVAQQEAERARFVVEKAEQQK
 KAAIISAEGDSKAAELIANSLATAGDGLIELRKLEAAEDIAAYQLSRSRNITYLPAGQSVLLQLPQ
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001281715

ORF Size:	816 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001281715.1 , NP_001268644.1
RefSeq Size:	1963 bp
RefSeq ORF:	819 bp
Locus ID:	5245
UniProt ID:	P35232
Cytogenetics:	17q21.33
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW:	29.8 kDa
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]