

Product datasheet for **RG236119**

Prohibitin (PHB) (NM_001281497) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prohibitin (PHB) (NM_001281497) 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:	>RG236119 representing NM_001281497. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCCAAAGTGTGGAGTCCATTGGCAAGTTGGCCTGGCCTTAGCTGTTGCAGGAGGCGTGGTG
AACTCTGCCTTATAATGTGGATGCTGGGCACAGAGCTGTCATCTTGACCGATTCCGTGGAGTGCAG
GACATTGTGGTAGGGGAAGGACTCATTTTCTCATCCCGTGGGTACAGAAACCAATTATCTTTGACTGC
CGTTCTCGACCACGTAATGTGCCAGTCATCACTGGTAGCAAAGATTTACAGAATGTCAACATCACACTG
CGCATCCTCTCCGGCCTGTCGCCAGCCAGCTTCTCGCATCTTACCAGCATCGGAGAGGACTATGAT
GAGCGTGTGCTGCCGTCCATCACAACGATCCTCAAGTCAGTGGTGGCTCGCTTTGATGCTGGAGAA
CTAATCACCTACCTGCCAGCGGGCAGTCCGTGCTCCTCCAGCTGCCCCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236119
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAAKVFESIGKFLALAVAGGVNSALYNVDAGHRAVIFDRFRGVQDIVVGEETHFLIPWVQKPIIFDC
RSRPRNPVITGSKDLQNVNITLRLIFRPVASQLPRIFTSIGEDYDERVLPSITTEILKSVVARFDAGE
LITYLPAGQSULLQLPQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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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_001281497.1 , NP_001268426.1
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:	17.5 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]