

## Product datasheet for MR218376L4V

## OriGene Technologies, Inc.

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## Phb2 (NM\_007531) Mouse Tagged ORF Clone Lentiviral Particle

**Product data:** 

Product Type: Lentiviral Particles

Product Name: Phb2 (NM 007531) Mouse Tagged ORF Clone Lentiviral Particle

Symbol: Phb2

Synonyms: AU044498; BAP; Bap37; Bcap37; REA

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

**ACCN:** NM\_007531

ORF Size: 900 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(MR218376).

Sequence:

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.

**RefSeq:** <u>NM 007531.2</u>, <u>NP 031557.2</u>

 RefSeq Size:
 1360 bp

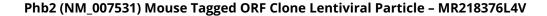
 RefSeq ORF:
 900 bp

 Locus ID:
 12034

 UniProt ID:
 035129

 Cytogenetics:
 6 59.17 cM







## **Gene Summary:**

Acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. Functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. Competes with NCOA1 for modulation of ER transcriptional activity. In mitochondria, regulates cytochrome-c oxidase assembly (COX) and mitochondrial respiration. Binding to sphingoid 1-phosphate (SPP) modulates its regulator activity (PubMed:20959514). [UniProtKB/Swiss-Prot Function]