

Product datasheet for **MG220824**

Phb (NM_008831) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phb (NM_008831) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phb
Synonyms:	Bap32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220824 representing NM_008831 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCAAAGTGTGGAGTCCATTGGAAAGTTCGGCCTGGCGTTGGCAGTTGCAGGAGGCGTGGTGA
ACTCTGCTTTGTATAATGTGGATGCTGGACACAGAGCTGTCATCTTTGACCGATTCCGTGGCGTACAGGA
CATTGTGGTCGGGAAGGGACTCATTTCCTCATCCCTGGGTACAGAAACCAATTATCTTTGACTGCCGC
TCTCGACCACGGAACGTACCAGTCATCACTGGTAGCAAAGACTTGCAGAACGTCATATCACAAGTCCGAA
TCCTCTTCGGCCGGTGGCCAGCCAGCTTCTCGTATCTACACCAGCATTGGCGAGGACTATGATGAGCG
GGTCTGCCTTCTATCACCACAGAGATCCTCAAGTCGGTGGTGGCTCGATTTCGATGCTGGAGAATTGATT
ACCCAGCGAGAGCTGGTCTCCAGGCAGGTGAGCGATGACCTCACAGAGCGAGCGGCAACATTTGGGCTTA
TCCTGGATGACGTGTCCCTGACACATCTGACCTTCGGGAAGGAGTTCACAGAGGCAGTAGAAGCCAAACA
GGTGGCTCAGCAGGAAGCGGAGAGAGCCAGATTTGTGGTGGAAAAGGCTGAGCAGCAGAAGAAGGCAGCC
ATCATCTCTGCTGAGGGTGAATCAAGGCCGCTGAGCTGATCGCCAACCTCGTGGCCACGGCAGGCGACG
GCCTGATCGAGCTGCGGAAGCTGGAGGCCGCCGAGGACATTGCGTACCAGCTCTCCCGCTCTCGGAACAT
CACCTACCTGCCAGCGGGCCAGTCCGTGCTTCTCCAGCTTCCCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220824 representing NM_008831
 Red=Cloning site Green=Tags(s)

MAAKVFESIGKFGALAVAGGVNSALYNVDAGHRAVIFDRFRGVQDIVVGEETHFLIPWVQKPIIFDCR
 SRPRNPVITGSKDLQNVNITLRLFRPVASQLPRIYTSIGEDYDERVLPISITTEILKSVMARFDAGELI
 TQRELVSRQVSDDLTERAATFGLILDDVSLTHLTFGKEFTEAVEAKQVAQQEAERARFVVEKAEQQKAA
 IISAEGDSKAAELIANSLATAGDGLIELRKLEAAEDIAYQLSRSRNITYLPAGQSVLLQLPQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008831

ORF Size: 816 bp

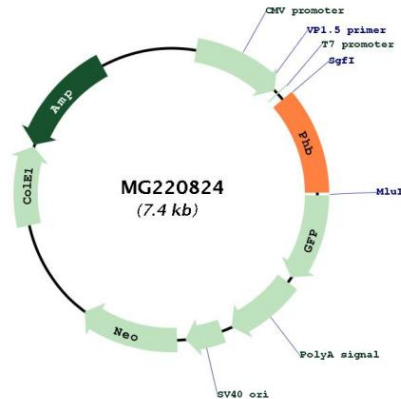
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).
Reconstitution Method:	<ol style="list-style-type: none">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_008831.4 , NP_032857.1
RefSeq Size:	1815 bp
RefSeq ORF:	819 bp
Locus ID:	18673
UniProt ID:	P67778
Cytogenetics:	11 D
Gene Summary:	Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220824