

## Product datasheet for MR220824

### Phb (NM\_008831) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phb (NM_008831) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phb
Synonyms:	Bap32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220824 representing NM_008831 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCAAAGTGTGGAGTCCATTGGAAAGTTCGGCCTGGCGTTGGCAGTTGCAGGAGGCGTGGTGA  
ACTCTGCTTTGTATAATGTGGATGCTGGACACAGAGCTGTCATCTTTGACCGATCCGTGGCGTACAGGA  
CATTGTGGTCGGGAAGGGACTCATTTCCTCATCCCTGGGTACAGAAACCAATTATCTTTGACTGCCGC  
TCTCGACCACGGAACGTACCAGTCATCACTGGTAGCAAAGACTTGCAGAACGTCATATCACACTGCGAA  
TCCTCTTCGGCCGGTGGCCAGCCAGCTTCCTCGTATCTACACCAGCATTGGCGAGGACTATGATGAGCG  
GGTCTGCCTTCTATCACCACAGAGATCCTCAAGTCGGTGGTGGCTCGATTTCGATGCTGGAGAATTGATT  
ACCCAGCGAGAGCTGGTCTCCAGGCAGGTGAGCGATGACCTCACAGAGCGAGCGCAACATTTGGGCTTA  
TCCTGGATGACGTGTCCCTGACACATCTGACCTTCGGGAAGGAGTTACAGAGGCAGTAGAAGCCAAACA  
GGTGGCTCAGCAGGAAGCGGAGAGAGCCAGATTTGTGGTGGAAAAGGCTGAGCAGCAGAAGAAGGCAGCC  
ATCATCTCTGCTGAGGTGACTCCAAGGCCGCTGAGCTGATCGCCAACCTCGTGGCCACGGCAGGCGACG  
GCCTGATCGAGCTGCGGAAGCTGGAGGCCGCCGAGGACATTGCGTACCAGCTCTCCCGCTCTCGAACAT  
CACCTACCTGCCAGCGGGCCAGTCCGTGCTTCTCCAGCTTCCCCAG

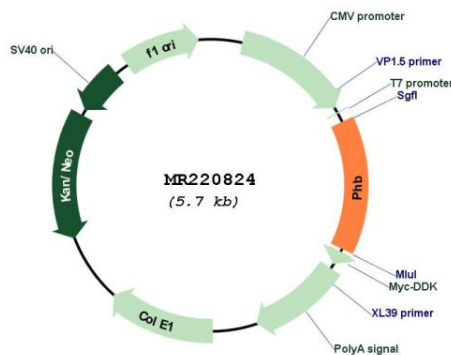
**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_008831.4, NP_032857.1</u>
<b>RefSeq Size:</b>	1815 bp
<b>RefSeq ORF:</b>	819 bp
<b>Locus ID:</b>	18673
<b>UniProt ID:</b>	<u>P67778</u>
<b>Cytogenetics:</b>	11 D
<b>MW:</b>	30.3 kDa
<b>Gene Summary:</b>	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 MR220824