

**Product Name: Recombinant Human GPNMB (C-6His)**  
**Catalog #: PHH1252**

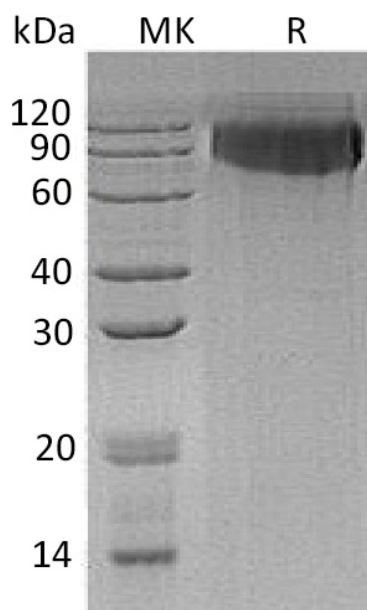


## Summary

|                                 |   |
|---------------------------------|---|
| <b>Name</b>                     | Osteoactivin/GPNMB  |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE   |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.   |
| <b>Construction</b>             | Recombinant Human Glycoprotein Non-Metastatic Melanoma Protein B is produced by our Mammalian expression system and the target gene encoding Lys23-Pro486 is expressed with a 6His tag at the C-terminus.   |
| <b>Accession #</b>              | Q14956  |
| <b>Host</b>                     | Human Cells   |
| <b>Species</b>                  | Human   |
| <b>Predicted Molecular Mass</b> | 53.09 KDa   |
| <b>Formulation</b>              | Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.   |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.  |
| <b>Stability&amp;Storage</b>    | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.  |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image

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### Alternative Names

Transmembrane Glycoprotein NMB; Transmembrane Glycoprotein HGFIN; GPNMB; HGFIN; NMB

### Background

Osteoactivin is an intracellular glycoprotein belongs to the NMB/pMEL-17 family, which is associated with cell endosomal/lysosomal compartments. Human Osteoactivin is a 560 amino acid type I transmembrane protein, and one alternate splice form shows a 12 amino acid insert between amino acid 339-340. An additional 206 amino acid isoform shows a mutation at position 181 that results in a 26 amino acid substitution for the C-terminal 380 amino acids. Cells known to express Osteoactivin include fibroblast, osteoblasts, myeloid dendritic cell, melanocytes, plus fetal chondrocytes and stratum basale keratinocytes, macrophages/keratinocytes.

### Note

For Research Use Only , Not for Diagnostic Use.