

## Recombinant Human GPNMB Protein, His-Tagged

**Cat. No.** GPNMB-01H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GPNMB Protein, His-Tagged was expressed in Baculovirus cell line.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 462aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 51.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | < 1 EU per 1ug of protein (determined by LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                       |                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.                               |
| <b>Storage</b>        | Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>  | 0.5mg/ml (determined by BCA assay)                                                                                                            |
| <b>Storage Buffer</b> | Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                         |

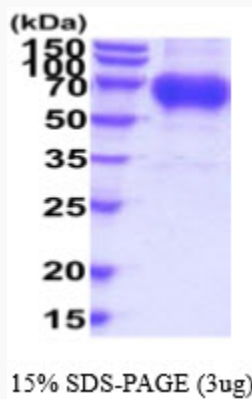
## GENE INFORMATION

|                        |                                                 |
|------------------------|-------------------------------------------------|
| <b>Gene Name</b>       | GPNMB glycoprotein nmb [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | GPNMB                                           |
| <b>Synonyms</b>        | Glycoprotein nmb, GPNMB, NMB, HGFIN             |
| <b>Gene ID</b>         | 10457                                           |
| <b>mRNA Refseq</b>     | NM_002510.3                                     |
| <b>Protein Refseq</b>  | NP_002501.1                                     |
| <b>MIM</b>             | 604368                                          |
| <b>UniProt ID</b>      | Q14956                                          |

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**SDS-PAGE**

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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