

# Recombinant Human GPNMB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GPNMB-1579H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

GPNMB MS Standard C13 and N15-labeled recombinant protein (NP\_001005340) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

63.92 kDa

### AA Sequence

MECLYYFLGFLLLAARLPLDAAKRFHDLGNERPSAYMREHNQLNGWSSDENDWN  
 EKLYPVWKRGMRWKNSWKGGRRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDA  
 NGNIVYEKNCRNEAGLSADPYVYNWTAWSESDGNGTGQSHHNVPDGGKPFPH  
 HPGWRRWNFIYVFHTLGQYFQKLGRCVRSVNTANVTLPQLMEVTVYRRHGRA  
 YVPIAQVKDVYVVTQIPVFVTMFQKNDRNSSDETFLKDLPIFDVLIHDPHFLNYS  
 TINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSNLNLTVKAAPGPCPPPPPPRPSK  
 PTPSLATTLKSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIQ

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MTDVLMPVPWPPESSLIDFVVTCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLL  
TVRRTFNGSGTYCVNLTLGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIF  
VTVISLLVYKKHKKEYNPIENSPGNVVRKGLSVFLNRAKAVFFPGNQEKDPLLKNQE  
FKGVSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** GPNMB glycoprotein nmb [ Homo sapiens (human) ]

**Official Symbol** GPNMB

**Synonyms** GPNMB; glycoprotein (transmembrane) nmb; transmembrane glycoprotein NMB; glycoprotein NMB; glycoprotein nmb like protein; HGFIN; NMB; osteoactivin; transmembrane glycoprotein; glycoprotein nmb-like protein; transmembrane glycoprotein HGFIN;

**Gene ID** 10457

**mRNA Refseq** NM\_001005340

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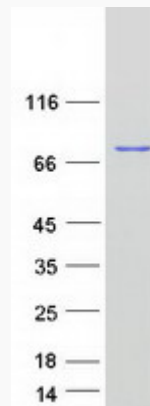
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**Protein Refseq** NP\_001005340

**MIM** 604368

**UniProt ID** Q14956

**SDS-PAGE**



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