

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 EKLYPVWKRGMWRWKNWSKGGVRQAVLTSDSPALVGSNITFAVNLIFPRCQKEDA NGNIVYEKNCRNEAGLSADPYVYNWTAWSESDSGENGTGQSHHNVPDGPFPFH HPGWRRWNFIYVFHTLGQYFQKLGRCSVRVSVNTANVTLPQLMEVTVYRRHGRA YVPIAQVKDVYVVTQIPVFVTMFQKNDNRNSSDETFLKDLPIPFVLIHDPSHFLNYS TINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSNLTVKAAAPGPCPPPPPPRPSK PTPSLATTLSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIIQ

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MTDVLMPVPWPPESSLIDFVVTCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLL
TVRRTFNGSGTYCVNLTGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIF
VTVISLLVYKKHKEYNPIENSPGNVVRSGLSVFLNRAKAVFFPGNQEKDPLLKNQE
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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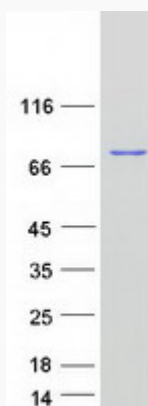
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Protein Refseq NP_001005340

MIM 604368

UniProt ID Q14956

SDS-PAGE



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