

Recombinant Human GPNMB Protein, GST-tagged

Cat. No. GPNMB-5162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPNMB full-length ORF (AAH32783.1, 1 a.a. - 572 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq
Molecular Mass	88.44 kDa
AA Sequence	MECLYYFLGFLLLAARLPLDAAKRFHDLGNERPSAYMREHNQLNGWSSDENDWN EKLYPVWKRGMRWKNSWKGGRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDA NGNIVYEKNCRNEAGLSADPYVYNWTAWSESDSGENGTGQSHHNVFPDGKPFPH HPGWRRWNFIYVFHTLGQYFQKLGRCSVRVSVNTANVTLGSQLMEVTYRRHGRA YVPIAQVKDVYVVTQIPVFVTMFQKNDNRNSSDETFLKDLPIFDVLIHDPSHFLNYS TINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSLNLTVKAAAPGPCPPPPPPRPSK PTPSLATTLSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIIQ MTDVLMPVPWPPESSLIDFVVTCTQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLL

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TVRRTFNGSGTYCVNLTGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIF
VTVISLLVYKKHKKEYNPIENSPGNVVRSGLSVFLNRAKAVFFPGNQEKDPLLKNQE
FKGVS

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GPNMB glycoprotein (transmembrane) nmb [Homo sapiens]

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

Protein Refseq

NP_001005340

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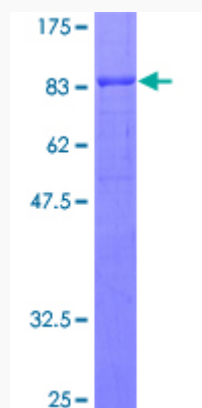
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MIM 604368

UniProt ID Q14956

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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