

Recombinant Full Length Human GPNMB Protein, GST-tagged

Cat. No. GPNMB-5557HF **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	In Vitro Cell Free System
ProteinLength	572 amino acids
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	MECLYYFLGFLLLAARLPDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWN EKLYPVWKRGRDMRWKNSWKGGRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDA NGNIVYEKNCRNEAGLSADPYVYNWTAWSESDGNGTGQSHHNVFPDGKPPFH HPGWRRWNFIYVFHTLGQYFQKLGRCSVRVSVNTANVTLPQLMEVTYRRHGRA YVPIAQVKDVYVVTDDQIPVFVTMFQKNDNRNSSDETFLKDLPIPFVLIHDP SHFLNYS TINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSLNLTVKAAPGPCPPPPPPRPSK PTPSLATTLSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIIQ

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MTDVLMPVPWPPESSLIDFVVTCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLL
TVRRTFNGSGTYCVNLTGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIF
VTVISLLVYKKHKEYNPIENSPGNVVRSGLSVFLNRAKAVFFPGNQEKDPLLKNQE
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](#)

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Protein Refseq	NP_001005340
MIM	604368
UniProt ID	Q14956

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