

# Recombinant Full Length Human GPNMB Protein, GST-tagged

Cat. No. GPNMB-5557HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GPNMB full-length ORF ( AAH32783.1, 1 a.a. - 572 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	572 amino acids
<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. [provided by RefSeq
<b>Molecular Mass</b>	88.44 kDa
<b>AA Sequence</b>	MECLYYFLGFLLLAARLPLDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWN EKLYPVWKRGMRWKNSWKGRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDA NGNIVYEKNCRNEAGLSADPYVYNWTAWSESDGNGTGQSHHNVFPDGKPFPH HPGWRRWNFIYVFHTLGQYFQKLGRC SVRVSVNTANVTLGPQLMEVTVYRRHGRA YVPIAQVKDVYVVTQIPVFVTMFQKNDRNSSDETFLKDLPIFDVLIHDP SHFLNYS TINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSLNLTVKAAPGPCPPPPPPRPSK PTPSLATTLSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIQ

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MTDVLMPVPWPPESSLIDFVVTCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLL  
TVRRTFNNGSGTYCVNLTLGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIF  
VTVISLLVYKKHKHEYNPIENSPGNVVRKGLSVFLNRAKAVFFPGNQEKDPLLKNQE  
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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