

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	MECLYYFLGFLLLAARLPLDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWN EKLYPVWKRGD MRWKN SWKGG RVQAVLTSDSPALVGSNITFAVNLI FPRCQKEDA NGNIVYEKNCRNEAGLSADPYVYNWTAWSESDGNGTGQSHHNVPD GKPFPH HPGWRRWNFIYVFHTLGQYFQKLGRC SVRVSVNTANVTLGPQLMEVTVYRRHGRA YVPIAQVKDVYVVT DQIPVFVTMFQKNDRNSSDETFLKDL PIMFDVLIHDPSHFLNYS TINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSNLNLT VKAAAPGPCPPPPPPRPSK PTPSLATTLSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNI IQ MTDVLMPVPWPPESSLIDFVVTCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TVRRTFNGSGTYCVNLT LGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIF
 VTVISLLVYKKHKHKEYNPIENSPGNVVR SKGLSVFLNRAKAVFFPGNQEKDLLKNQE
 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

 Tel: 1-631-559-9269 1-516-512-3133

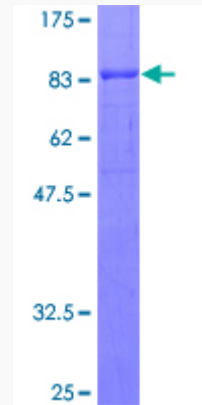
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 604368

UniProt ID Q14956

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA