

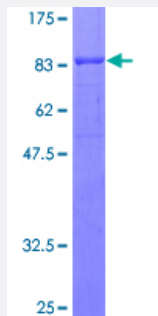
Full-Length

GPNMB (Human) Recombinant Protein (P01)

Catalog # H00010457-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GPNMB full-length ORF (AAH32783.1, 1 a.a. - 572 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MECLYYFLGFLLLAARLPLDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWNEKLYPVWK
RGDMRWKNSWKGGRVQAVLTSDSPALVGSNITFAVNLIFFRCQKEDANGNIVYEKNCRNEAGLS
ADPYVYNWTAWSESDGNGTGQSHHNVFPDGKPFPHPGWRRWNFIWFHTLGQYFQKLGR
CSVRVSVNTANVTLPQLMEVTYRRHGRAYVPIAQVKDYYVTDQIPVFVTMFQKNDRNSSDET
FLKDLPIIMFDVLIHDPHFLNYSTINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSNLTVKAAAPG
PCPPPPPPRPSKPTPSLATTLKSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITVEGILE
VNIIQMTDVLMPVPWPESLIDFVVTCCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLLTVRRT
FNGSGTYCVNLTGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIFVTVISLLVYKKHKEY
NPIENSPGNVVRSGKLSVFLNRAKAVFFPGNQEKDPLLKNQEFKGV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

88.44

Interspecies Antigen Sequence

Mouse (70); Rat (69)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GPNMB

Entrez GeneID	10457
GeneBank Accession#	BC032783
Protein Accession#	AAH32783.1
Gene Name	GPNMB
Gene Alias	HGFIN, NMB
Gene Description	glycoprotein (transmembrane) nmb
Omim ID	604368
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	glycoprotein NMB glycoprotein nmb-like protein osteoactivin transmembrane glycoprotein

Disease

- [Tobacco Use Disorder](#)