

Product datasheet for PH307615

GPNMB (NM_001005340) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GPNMB MS Standard C13 and N15-labeled recombinant protein (NP_001005340)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207615
Predicted MW:	63.92 kDa
Protein Sequence:	>RC207615 representing NM_001005340 Red=Cloning site Green=Tags(s)

MECLYYFLGFLLLAARLPLDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWNEKLYPVWKRGMRWK
NSWKGGRVQAVLTSDSPALVGSNITFAVNLIFFRCQKEDANGNIYVEKNCRNEAGLSADPYVYNWTAWSE
DSDGENTGQSHHNVFPDGKPFPHPGWRRWNFIYVFHTLGQYFQKLGRCVSVNTANVTLGPQLMEV
TYVRRHGRAYVPIAQVKDYYVVDQIPVFVTFQKNDNRNSDETFLKDLPIIMFDVLIHDPHFNLNSTIN
YKWSFGDNTGLFVSTNHTVNHTYVLNGTFSNLTVKAAAPGPCPPPPPPRPSKPTSLATTLKSYDSNT
PGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIIQMTDVLMPVPWPESLIDFVVTCQSGI
PTEVCTIISDPTCEITQNTVCSPVDVDEMCLLTVRRTFNGSGTYCVNLTGDDTSLALTSTLISVPDRDP
ASPLRMANSALISVGCLAIFVTVISLLVYKHKKEYNPIENSPGNVVRSGLSVFLNRAKAVFFPGNQEKD
PLLKNQEFKGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001005340
RefSeq Size:	2775
RefSeq ORF:	1716



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Synonyms: HGFIN; NMB; PLCA3

Locus ID: 10457

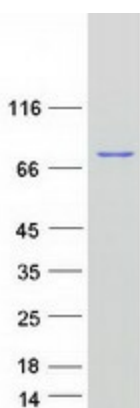
UniProt ID: [Q14956](#)

Cytogenetics: 7p15.3

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, Jul 2008]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified GPNMB protein (Cat# [TP307615]). The protein was produced from HEK293T cells transfected with GPNMB cDNA clone (Cat# [RC207615]) using MegaTran 2.0 (Cat# [TT210002]).