

## Product datasheet for **TP307615**

### GPNMB (NM\_001005340) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glycoprotein (transmembrane) nmb (GPNMB), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207615 representing NM_001005340 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MECLYYFLGFLLLAARLPLDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWNEKLYPVWKRGD MRWK  
NSWKGGRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDANGNIVYEKNCRNEAGLSADPYVYNWTAWSE  
DSDGENGTGQSHHNVPDGGKPFPHPGWRRWNFIYVFHTLGQYFQKLGRCVRSVNTANVTLPQLMEV  
TVYRRHGRAYVPIAQVKDVYVTDQIPVFVTMFQKNDNRNSSDETFLKDLPI MFVDVLIHDP SHFLNYSTIN  
YKWSFGDNTGLFVSTNHTVNHTYVLNGTFSLNLTVKAAAPGPCPPPPPPRPSKPTPSLATTLLKSYDSNT  
PGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIIQMTDVLMPVPWPPESSLIDFVTCQGS  
PTEVCTIISDPTCEITQNTVCSPVDVDEMCLLTVRRTFNGSGTYCVNLT LGDDTSLALTSTLISVPDRDP  
ASPLRMANSALISVGCLAIFVTVISLLVYKKHKEYNPIENSPGNVVRKGLSVFLNRAKAVFFPGNQEKD  
PLLKNQEFKGV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

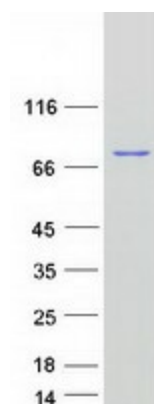
Tag:	C-Myc/DDK
Predicted MW:	61.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Pull-down assay (PMID: <a href="#">26751287</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_001005340</u>
<b>Locus ID:</b>	10457
<b>UniProt ID:</b>	<u>Q14956</u>
<b>RefSeq Size:</b>	2775
<b>Cytogenetics:</b>	7p15.3
<b>RefSeq ORF:</b>	1716
<b>Synonyms:</b>	HGFIN; NMB; PLCA3
<b>Summary:</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, Jul 2008]
<b>Protein Families:</b>	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]).