

## Product datasheet for **TP307615M**

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

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human glycoprotein (transmembrane) nmb (GPNMB), transcript variant 1, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC207615 representing NM\_001005340  
**Red**=Cloning site **Green**=Tags(s)

MECLYYFLGFLLLAARLPLDAAKRFHDVLDGNERPSAYMREHNQLNGWSSDENDWNEKLYPVWKRGD MRWK  
NSWKGGRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDANGNIVYEKNCRNEAGLSADPYVYNWTAWSE  
DSDGENTGQSHHNVFPDGKPFPHPGWRRWNFIYVFHTLGQYFQKLGRCVRSVNTANVTLPQLMEV  
TVYRRHGRAYVPIAQVKDVYVVDQIPVFVTMFQKNDNRNSSDETFLKDLPI MFVDVLIHDP SHFLNYSTIN  
YKWSFGDNTGLFVSTNHTVNHTYVLNGTFSLNLTVKAAAPGPCPPPPPPRPSKPTPSLATTLLKSYDSNT  
PGPAGDNPLELSRIPDENCQINRYGHFQATITIVEGILEVNIQM TDVLM PVPWPPESSLIDFVTCQ GSI  
PTEVCTIISDPTCEITQNTVCSPVDVDEMCLLTVRRTFNGSGTYCVNLT LGDDTSLALTSTLISVPDRDP  
ASPLRMANSALISVGCLAIFVTVISLLVYKKHKEYNPIENSPGNVVR SKGLSVFLNRAKAVFFPGNQEKD  
PLLKNQEFKGV S

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

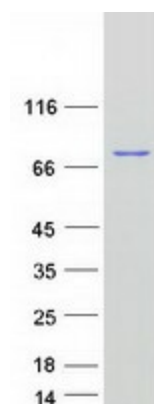
**Tag:** C-Myc/DDK  
**Predicted MW:** 61.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Bioactivity:** Pull-down assay (PMID: [26751287](#))  
**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>	<a href="#">NP_001005340</a>
<b>Locus ID:</b>	10457
<b>UniProt ID:</b>	<a href="#">Q14956</a>
<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]).