

## Product datasheet for **AR51104PU-S**

### GPNMB / HGFN (22-474, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GPNMB / HGFN (22-474, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSAKRFHDV LGNERPSAYM REHNQLNGWS SDENDWNEKL YPVWKRGD MR WKNSWKGGRV QAVLTS DSPA LVGSNITFAV NLIFFRCQKE DANGNIVYEK NCRNEAGLSA DPYVYNWTAW SEDSDGENG T GQSHHNVPD GKPFPHPGW RRWNFIYVFH TLGQYFQKLG RCSVRVSVNT ANVTLGPQLM EVT VYRRHGR AYVPIAQVKD VYVTDQIPV FVTMFQKNDR NSSDETFLKD LPIMFDVLIH DPSHFLNYST INYKWSFGDN TGLFVSTNHT VNHTYVLNGT FSLNLT VKAA APGPCPPPPP PPRPSKPTPS LGPAGDNPLE LSRIPDENCQ INRYGHFQAT ITIVEGILEV NIIQMTDVL M PVPWPESLI DFWVTCQ GSI PTEVCTIISD PTCEITQNTV CSPVDVDEMC LLTVRRTFNG SGT YCVNLTL GDDTSLALTS TLISVP
Tag:	His-tag
Predicted MW:	53.2 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GPNMB protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001005340</a>
Locus ID:	10457
UniProt ID:	<a href="#">Q14956</a>
Cytogenetics:	7p15.3



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**Synonyms:** HGFIN; NMB; PLCA3

**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:**

