

**AR51104PU-S****Human GPNMB / HGFN (22-474, His-tag) - Purified**

<b>Alternate names:</b>	Transmembrane glycoprotein HGFN, Transmembrane glycoprotein NMB
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	GPNMB is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. The protein 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.
<b>Uniprot ID:</b>	<a href="#">Q14956</a>
<b>NCBI:</b>	<a href="#">NP_002501</a>
<b>GeneID:</b>	<a href="#">10457</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >85% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
<b>Description:</b>	Recombinant human GPNMB protein, fused to His-tag at N-terminus, was expressed in E.coli. <b>AA Sequence:</b> MGS SHHHHHH SSGLVPRGSH MGS AKRFHDV LGNERPSAYM REHNQLNGWS SDENDWNEKL YPVWKR GDMR WKNSWK GGRV QAVLTS DSPA LVGSNITFAV NLIFPRCQKE DANGNIVYEK NCRNEAGLSA DPYVYNWTAW SEDSDGENG T GQSHHNVPD GKPFPHHPGW RRWNFIYVFH TLGQYFQLG RCSVRVSVNT ANVT LGPQLM EVTVYRRHGR AYVPIAQVKD VYVVT DQIPV FVTMFQKNDR NSSDETFLKD LPIMFDVLIH DSPHFLNYST INYKWSFGDN TGLFVSTNHT VNHTYVLNGT FSLNLT VKAA APGPCPPPPP PPRPSKPTPS LGPAGDNPLE LSRIPDENCQ INRYGHFQAT ITIVEGILEV NIIQMTDVL M PVPWPESLI DFVVT CQCSI PTEVCTIISD PTCEITQNTV CSPVDVDEMC LLTVRRTFNG SGTYCVNLT L GDDTSLALTS TLISVP <b>Molecular weight:</b> 53.2 kDa (476aa)
<b>Storage:</b>	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. Shelf life: one year from despatch.
<b>General Readings:</b>	Rose A.A., et al. (2010) PLoS ONE. 5:e12093-e12093 Patel-Chamberlin M., et al. (2011) Kidney Int. 79:1138-1148

Pictures:

