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32-3917: GPNMB Recombinant Protein

Alternative Name : Transmembrane glycoprotein NMB,Transmembrane glycoprotein HGFIN,GPNMB,HGFIN,NMB,Glycoprotein (transmembrane) nmb.

Description

Source : Escherichia Coli. GPNMB Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 476 amino acids (22-474) and having a molecular mass of 53.2 kDa.GPNMB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glycoprotein Nmb (GPNMB) is a member of the PMEL/NMB family. GPNMB is a type I transmembrane glycoprotein which exhibits homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB is expressed in the lowly metastatic human melanoma cell lines and xenografts but has no expression in the highly metastatic cell lines. GPNMB might be involved in growth delay and reduction of metastatic potential. GPNMB is up-regulated in a number of cancer cells, including in glioblastoma multiforme. GPNMB is expressed in many melanoma cells, as well as in tissue macrophages, including liver Kuppfer cells and lung alveolar macrophages, in podocytes and in some cells of the ciliary body of the eye (at protein level). GPNMB is hardly detectable in the healthy brain.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The GPNMB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSAKRFHDV LGNERPSAYM REHNQLNGWS SDENDWNEKL YPVWKRGDMR WKNSWKGGRV QAVLTSDSPA LVGSNITFAV NLIFPRCQKE DANGNIVYEK NCRNEAGLSA DPYVYNWTAW SEDSDGENGT GQSHHNVFPD GKPFPHHPGW RRWNFIYVFH TLGQYFQKLG RCSVRVSVNT ANVTLGPQLM EVTVYRRHGR AYVPIAQVKD VYVVTDQIPV FVTMFQKNDR NSSDETFLKD LPIMFDVLIH DPSHFLNYST INYKWSFGDN TGLFVSTNHT VNHTYVLNGT FSLNLTVKAA APGPCPPPPP PPRPSKPTPS LGPAGDNPLE LSRIPDENCQ INRYGHFQAT ITIVEGILEV NIIQMTDVLM PVPWPESSLI DFVVTCQGSI PTEVCTIISD PTCEITQNTV CSPVDVDEMC LLTVRRTFNG SGTYCVNLTL GDDTSLALTS TLISVP.