9051 Mira Mesa Blvd, #910094
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GPNMB Human

Glycoprotein Nmb Human Recombinant
RCP0960

Product Overview

Name	GPNMB Human
Description	
Glycoprotein Nmb Human Recombinant	
Accession (Primary)	Q14956
Synonyms	
Transmembrane glycoprotein NMB, Transmembrane glycoprotein HGFIN, GPNMB, HGFIN, NMB, Glycoprotein (transmembrane) nmb.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The GPNMB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS AKRFHDV LGNERPSAYM REHNQLNGWS SDENDWNEKL YPVWKRGDMR	

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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.

Precautions

GPNMB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14956)