9051 Mira Mesa Blvd, #910094
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GPNMB Human, HEK

Glycoprotein Nmb Human Recombinant, HEK
RCP0961

Product Overview

Name	GPNMB Human, HEK
Description	
Glycoprotein Nmb Human Recombinant, HEK	
Accession (Primary)	Q14956
Synonyms	
Transmembrane glycoprotein NMB, Transmembrane glycoprotein HGFIN, GPNMB, HGFIN, 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	
HEK 293.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.4 μm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
AKRFHDVLGN ERPSAYMREH NQLNGWSSDE NDWNEKLYPV WKRGDMRWKN SWKGGRVQAV LTSDSPALVG SNITFAVNLI FPRCQKEDAN GNIVYEKNCR NEAGLSADPY VYNWTAWSED SDGENGTGQS HHNVFPDGKP	

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FPHHPGWRRW NFIYVFHTLG QYFQKLGRCS VRVSVNTANV TLGPQLMEVT VYRRHGRAYV PIAQVKDVYV VTDQIPVFVT MFQKNDRNSS DETFLKDLPI MFDVLIHDPS HFLNYSTINY KWSFGDNTGL FVSTNHTVNH TYVLNGTFSL NLTVKAAAPG PCPPPPPPPR PSKPTPSLAT TLKSYDSNTP GPAGDNPLEL SRIPDENCQI NRYGHFQATI TIVEGILEVN IIQMTDVLMP VPWPESSLID FVVTCQGSIP TEVCTIISDP TCEITQNTVC SPVDVDEMCL LTVRRTFNGS GTYCVNLTLG DDTSLALTST LISVP KLHHH HHHHHHH .

Solubility

It is recommended to add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. GPNMB is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

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

Target Information: (Q14956)