

Glycoprotein Nmb Human Recombinant, HEK

Item Number	rAP-3341
Synonyms	Transmembrane glycoprotein NMB, Transmembrane glycoprotein HGFIN, GPNMB, HGFIN, NMB.
Description	GPNMB Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (a.a 22-486) containing a total of 477 amino acids, having a molecular mass of 53.7kDa (calculated), though it migrates at approximately 97kDa on SDS PAGE, the GPNMB is fused to a 2 a.a C-terminal linker and a 10
Uniprot Accession Number	Q14956
Amino Acid Sequence	AKRFHDLGN ERPSAYMREH NQLNGWSSDE NDWNEKLYPV WKRGD MRWKN SWKGGRVQAV LTSDSPALVG SNITFAVNLI FPRCQKEDAN GNIVYEKNCR NEAGLSADPY VYNWTAWSED SDGENTGQS HHNVFDPGKP FPHHPGWRRW NFIYVFHTLG QYFQKLGRCS VRVSVNTANV TLGPQLMEVT VYRRHGRAYV PIAQVKDYYV VTDQIPVFT MFQKNDRNSS DETFLKDLPI MFDVLIHDPS HFLNYSTINY KWSFGDNTGL FVSTNHTVNH TYVLNGTFSL NLTVKAAPG PCPPPPPPPR PSKPTPSLAT TLKSYDSNTP GPAGDNPLEL SRIPDENCQI NRYGHFQATI TIVEGILEVN
Source	HEK 293.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
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.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**