

Recombinant Human GPNMB Protein

Catalog #	Source	Reactivity	Applications
CRP1642	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human GPNMB Protein is produced by our Mammalian expression system and the target gene encoding Ala22-Pro486 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Gene Symbol GPNMB

Alternative Names HGFIN; NMB; Transmembrane glycoprotein NMB; Transmembrane glycoprotein HGFIN

Entrez Gene 10457 (Human)

SwissProt Q14956 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure AKRFHDVLGN ERPSAYMREH NQLNGWSSDE NDWNEKLYPV WKRGD MRWKN
 SWKGG RVQAV LTSDSPALVG SNITFAVNLI FPRCQKEDAN GNIVYEKNCR NEAGLSADPY
 VYNWTAWSED SDGENGTGQS HHNVFPDGKP FPHHPGWRRW NFIYVFHTLG
 QYFQKLGRCV VRVSVNTANV TLGPQLMEVT VYRRHGRAYV PIAQVKDVVY VTDQIPVFVT
 MFQKNDRNSS DETFLKDLPI MFDVLIHDPS HFLNYSTINY KWSFGDNTGL FVSTNHTVNH
 TYVLNGTFSL NLTVKAAPG PCPPPPPPR PSKPTPSLAT TLKSYDSNTP GPAGDNPLEL
 SRIPDENCQI NRYGHFQATI TIVEGILEVN IIQMTDVLMP VPWPSSLID FVVTCCQSIP
 TEVCTIISDP TCEITQNTVC SPVDVDEMCL LTVRRTFNGS GTYCVNLTGL DDTSLALTST
 LISVPVDHHH HHH

Quality Control Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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