

Active Recombinant Human GPNMB, Fc Chimera

Cat. No. GPNMB-747H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPNMB (Accession # NP_002501) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Lys23
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to induce pro-MMP-9 secretion by NHLF human normal lung fibroblasts. The ED50 for this effect is typically 2.5 - 10 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human GPNMB, Fc Chimera has a calculated MW of 78.6 kDa (monomer). In SDS-PAGE migrates as 115-125 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

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Gene Name	GPNMB glycoprotein (transmembrane) nmb [Homo sapiens]
Official Symbol	GPNMB
Synonyms	GPNMB; glycoprotein (transmembrane) nmb; transmembrane glycoprotein NMB; glycoprotein NMB; glycoprotein nmb like protein; HGFIN; NMB; osteoactivin; transmembrane glycoprotein; glycoprotein nmb-like protein; transmembrane glycoprotein HGFIN;
Gene ID	10457
mRNA Refseq	NM_001005340
Protein Refseq	NP_001005340
MIM	604368
UniProt ID	Q14956
Chromosome Location	7p

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