Active Recombinant Human GPNMB Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. GPNMB-747HAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant human GPNMB (Accession # NP_002501) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Form	Lyophilized
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.
N-terminal Sequence Analysis	Lys 23
Purity	> 90 % by SDS-PAGE and analyzed by silver stain
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines

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	Excitation = 650 nm Emission = 668 nm
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Conjugation	Alexa Fluor 647

GENE INFORMATION

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

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