

# Active Recombinant Human GPNMB Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. GPNMB-747HAF488    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 488 conjugated recombinant human GPNMB (Accession # NP_002501) was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Recombinant Human GPNMB, Fc Chimera has a calculated MW of 78.6 kDa (monomer). In SDS-PAGE migrates as 115-125 kDa, reducing conditions.
<b>N-terminal Sequence Analysis</b>	Lys 23
<b>Purity</b>	> 90 % by SDS-PAGE and analyzed by silver stain
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Excitation Wavelength: 488 nm  
Emission Wavelength: 515-545 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 488

## 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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