

# Active Recombinant Human GPNMB Protein, Fc-tagged, FITC conjugated

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

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                               |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | FITC 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<br>Labeled with FITC 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

|                         |                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p>                                                                                                                 |
| <b>Storage</b>          | 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).                                         |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                     |
| <b>Conjugation</b>      | FITC                                                                                                                                                                                                                                                    |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | GPNUMB glycoprotein (transmembrane) numb [ Homo sapiens ]                                                                                                                                                                                               |
| <b>Official Symbol</b>  | GPNUMB                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | GPNUMB; glycoprotein (transmembrane) numb; transmembrane glycoprotein NUMB; glycoprotein NUMB; glycoprotein numb like protein; HGFIN; NUMB; osteoactivin; transmembrane glycoprotein; glycoprotein numb-like protein; transmembrane glycoprotein HGFIN; |
| <b>Gene ID</b>          | 10457                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_001005340                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_001005340                                                                                                                                                                                                                                            |
| <b>MIM</b>              | 604368                                                                                                                                                                                                                                                  |

 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

UniProt ID

Q14956

 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