

Human GPNMB Protein; hFc Tag

Product Information

Product Name	Human GPNMB Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88662RP-100 / 100 μg GM-88662RP-1000 / 1 mg

Protein Information

Alternative Names	HGFN, NMB, Osteoactivin
Source	Human GPNMB Protein; hFc Tag (GM-88662RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 22 - Pro 486 (Accession # AAH32783.1). This protein carries a hFc tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	78.0 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	GPNMB (Glycoprotein Nonmetastatic B) is a transmembrane glycoprotein encoded by the human gene GPNMB, belonging to the immunoglobulin superfamily. Below is a detailed introduction to the GPNMB protein. GPNMB is involved in interactions between cells, promoting cell adhesion and migration, which is particularly important in embryonic development and tissue repair. As a cell surface antigen, GPNMB plays a crucial role in regulating immune responses. It can influence macrophage polarization and modulate inflammatory responses. GPNMB has been found to be highly expressed in various cancers, such as melanoma, breast cancer, and lung cancer. Research indicates that it may contribute to tumor progression by promoting the survival, proliferation, and metastasis of tumor cells.

Figures

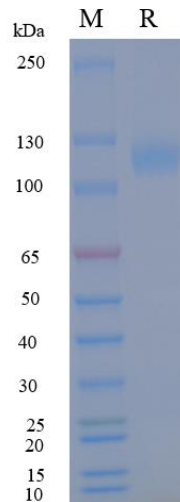


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

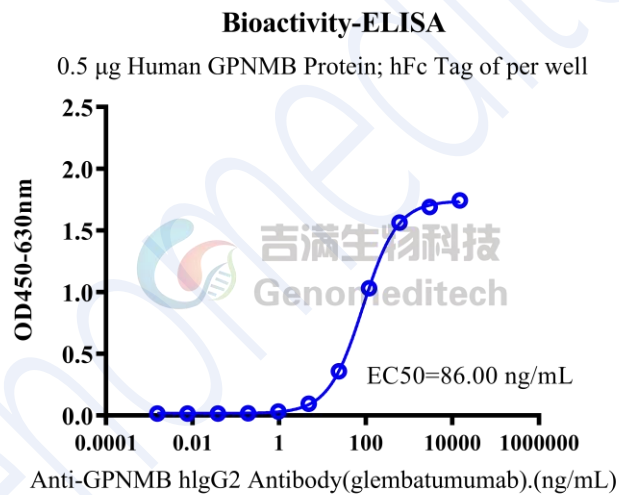


Figure 2 | Human GPNMB Protein; hFc Tag (Catalog # GM-88662RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-GPNMB hlgG2 Antibody(glembatumumab) (Catalog # GM-87688AB) were added.

Related Products

GPNMB	
Anti-GPNMB hlgG2 Antibody(glembatumumab)	
Biotinylated Human GPNMB Protein; His-Avi Tag	Human GPNMB Protein; His Tag

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