

Datasheet for ABIN2566817

Osteoactivin Protein (GPNMB) (His tag)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Osteoactivin (GPNMB)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Osteoactivin protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Characteristics:	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 4 - 16 µg/mL.
Purity:	>95 % as determined by SDS-PAGE.

Target Details

Target:	Osteoactivin (GPNMB)
Alternative Name:	Osteoactivin (GPNMB Products)
Background:	Transmembrane glycoprotein NMB (GPNMB) is also known as Transmembrane glycoprotein HGFIN, DC-HIL and Osteoactivin (OA), which belongs to the PMEL/NMB family. GPNMB contains one PKD domain. GPNMB is a transmembrane glycoprotein that is up-regulated in various cancer cells, including in glioblastoma multiforme and is expressed in many melanoma

Target Details

cells, as well as in tissue macrophages. GPNMB protein acts as a downstream mediator of BMP-2 effects on osteoblast differentiation and function. GPNMB participates in bone mineralization, and functions as a negative regulator of inflammation in macrophages.

Molecular Weight: 52.9 kDa

Gene ID: 10457

UniProt: [Q14956](#)

Application Details

Application Notes: This recombinant protein can be used for WB. For research use only.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -80 °C, -20 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.