

Human CellExp Osteoactivin / GPNMB, human recombinant protein
GPNMB, HGFIN, NMB, Osteoactivin
Catalog # PBV11132r**Specification**

Human CellExp Osteoactivin / GPNMB, human recombinant protein - Product infoPrimary Accession
Calculated MW[Q96F58](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 52.9 kDa. The predicted N-terminus is Ala 22. DTT-reduced Protein migrates as 85-100 kDa due to glycosylation. KDa

Human CellExp Osteoactivin / GPNMB, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
GPNMB, HGFIN, NMB, Osteoactivin**10457**
GPNMBGene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results
Target/Specificity
Osteoactivin / GPNMB**Human**
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
ED50 for this effect is typically 4 - 16 µg/ml**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.

Human CellExp Osteoactivin / GPNMB, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp Osteoactivin / GPNMB, human recombinant protein - Images**Human CellExp Osteoactivin / GPNMB, human recombinant protein - 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 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.