

Recombinant Mouse GPNMB Protein, His-tagged

Cat. No. GPNMB-872M Lot. No. (See product label)

SPECIFICATION

| | |
|-----------------------------|--|
| Product Overview | Recombinant mouse GPNMB (Q99P91) (Met1-Asn502) was expressed with a C-terminal polyhistidine tag. |
| Species | Mouse |
| Source | HEK293 |
| ProteinLength | 1-502 a.a. |
| Predicted N Terminal | Lys 23 |
| Form | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol. |
| Molecular Mass | The recombinant mouse GPNMB comprises 490 amino acids and has a predicted molecular mass of 54.9 kDa. The apparent molecular mass of the protein is approximately 96 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Purity | >90 % as determined by SDS-PAGE. |
| Stability | Samples are stable for up to twelve months from date of receipt at -70°C. |
| Storage | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Gpnmb glycoprotein \(transmembrane\) nmb \[Mus musculus \]](#)

Official Symbol [GPNMB](#)

Synonyms GPNMB; glycoprotein (transmembrane) nmb; transmembrane glycoprotein NMB; osteoactivin; iris pigment dispersion; dendritic cell-associated transmembrane protein; dendritic cell-associated heparin sulfate proteoglycan-dependent integrin ligand; ipd; Dchil;

Gene ID [93695](#)

mRNA Refseq [NM_053110](#)

Protein Refseq [NP_444340](#)

MIM

UniProt ID

Function heparin binding; integrin binding;

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