

Catalog No.: RP03572 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	93695	O99P91

NO-tag

Transmembrane glycoprotein
NMB;Osteoactivin;Gpnmb; Dchil; Hgfin;
Nmb

Source	Purification
HEK293 cells	> 95% as determined by Bis-Tris PAGE, > 95% as determined by HPLC

Calculated MW	Observed MW
54.7 kDa	80-115 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Dissolve the lyophilized protein in distilled water.

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GNMB is highly expressed in macrophages and microglia, which are cells involved with innate immune response in the periphery and the brain, respectively. Some studies have shown increased levels of GNMB in pro-inflammatory conditions, such as LPS treatment, and in pathological conditions, such as neurodegenerative diseases and cancer.

Recombinant Mouse Osteoactivin/GPNMB Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys23-Asn502) of Mouse Osteoactivin/GPNMB (Accession #NP_444340.3.) fused with No tag.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

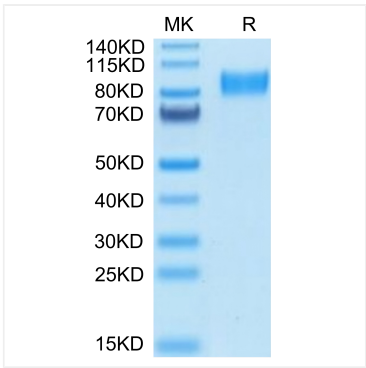
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

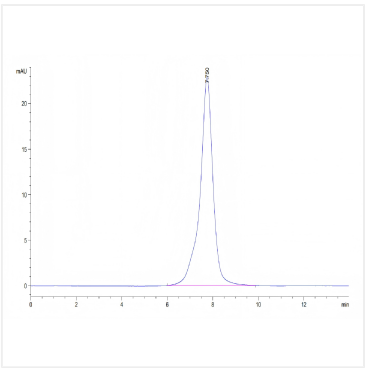
Avoid repeated freeze/thaw cycles.

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse Osteoactivin/GPNMB Protein was determined by Bis-Tris PAGE under reduced condition.



The purity of Mouse Osteoactivin is greater than 95% as determined by SEC-HPLC.