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Recombinant Mouse Osteoactivin/GPNMB Protein

Catalog No.: RP03572 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	93695	Q99P91

Tags
NO-tag

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

Product Information

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

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

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

Reconstitution
Dissolve the lyophilized protein in distilled water.

Contact

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Background

GPNMB 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 GPNMB in pro-inflammatory conditions, such as LPS treatment, and in pathological conditions, such as neurodegenerative diseases and cancer.

Basic Information

Description
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.

Bio-Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃
Avoid repeated freeze/thaw cycles.

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

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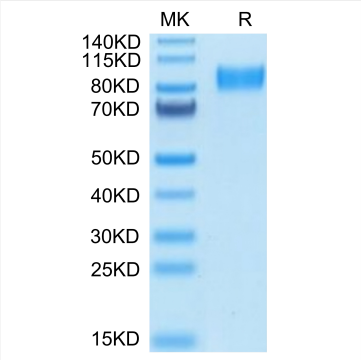
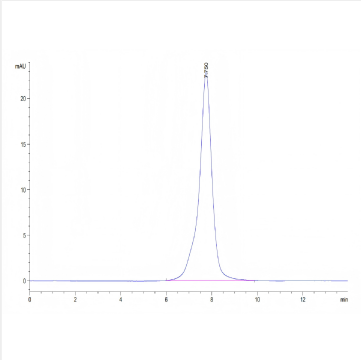
Validation Data



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.