

Recombinant Mouse Osteoactivin/GPNMB Protein

Catalog No.: RP03572 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 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/ μ g 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

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

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

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

Storage

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

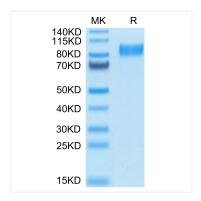
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

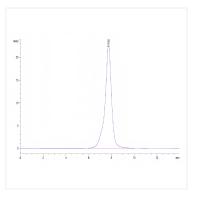
Operational Notes

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.