

Rev03
Update: Aug,08,2025

DATASHEET

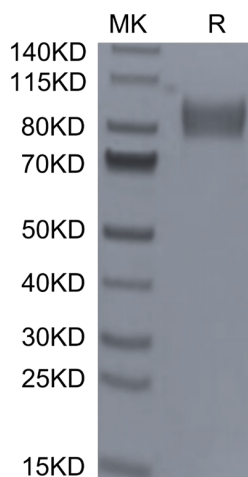
Osteoactivin/GPNMB, His, Human

Cat. No.: Z05723

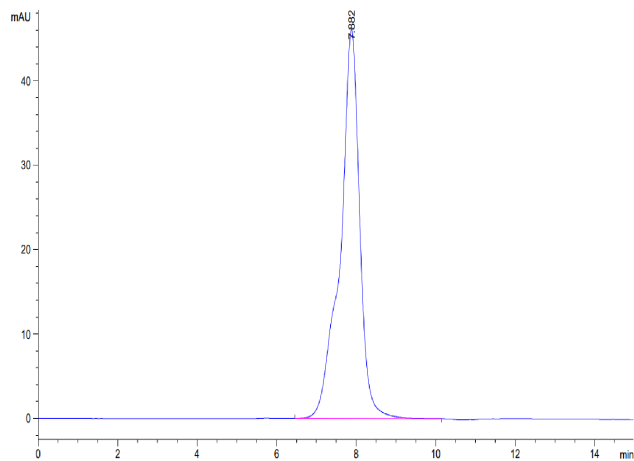
Product Introduction

Species	Human
Protein Construction	Osteoactivin/GPNMB (Lys23-Asn486)_x000D_ Accession # NP_002501.1 His N-termC-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	53.1 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 78-98 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



Osteoactivin/GPNMB, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of Osteoactivin/GPNMB, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : GPNMB; HGFIN; NMB; Osteoactivin

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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