

Recombinant Human GPNMB Protein (aa 22-486, His Tag)

Catalog Number: PKSH033371

Note: Centrifuge before opening to ensure complete recovery of vial contents.

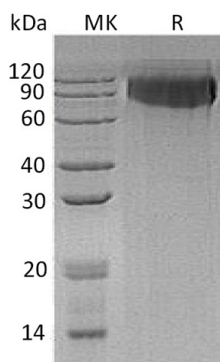
Description

Species	Human
Source	HEK293 Cells-derived Human GPNMB protein Ala22-Pro486, with an C-terminal His
Calculated MW	53.1 kDa
Observed MW	80-120 kDa
Accession	Q14956
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Osteoactivin is an intracellular glycoprotein belongs to the NMB/pMEL-17 family; which is associated with cell endosomal/lysosomal compartments. Human Osteoactivin is a 560 amino acid type I transmembrane protein; and one alternate splice form shows a 12 amino acid insert between amino acid 339-340. An additional 206 amino acid isoform shows a mutation at position 181 that results in a 26 amino acid substitution for the C-terminal 380 amino acids. Cells knowns to express Osteoactivin include fibroblast; osteoblasts; myeloid dendritic cell; melanocytes; plus fetal chondrocytes and stratum basale keratinocytes; macrophages/keratinocytes.

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017