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Datasheet for ABIN7319322

Osteoactivin Protein (GPNMB) (AA 22-486) (His tag)

Overview

Quantity:	50 µg
Target:	Osteoactivin (GPNMB)
Protein Characteristics:	AA 22-486
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Osteoactivin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GPNMB Protein (aa 22-486, His Tag)
Sequence:	Ala22-Pro486
Characteristics:	Recombinant Human Glycoprotein Non-Metastatic Melanoma Protein B is produced by our Mammalian expression system and the target gene encoding Ala22-Pro486 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Osteoactivin (GPNMB)
Alternative Name:	GPNMB (GPNMB Products)

Target Details

Background: 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 known to express Osteoactivin include fibroblast, osteoblasts, myeloid dendritic cell, melanocytes, plus fetal chondrocytes and stratum basale keratinocytes.

Synonym: Transmembrane Glycoprotein NMB, Transmembrane Glycoprotein HGFIN, GPNMB, HGFIN,NMB,Osteoactivin

Molecular Weight: 53.1 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.
