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Product Information

MemDX™ Antibody Discovery - Human Osteoactivin / GPNMB (22-486) Membrane Protein, Partial, -His tag

Cat. No.: **MP0727F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Osteoactivin / GPNMB (22-486). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
Osteoactivin / GPNMB

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 53.4 kDa. The protein migrates as 85-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Ala 22 - Pro 486 (Accession # AAH32783).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

Osteoactivin / GPNMB

Full Name

glycoprotein nmb

Introduction

The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NMB; HGFIN; PLCA3; transmembrane glycoprotein NMB; glycoprotein (transmembrane) nmb; glycoprotein nmb-like protein; glycoprotein nonmetastatic melanoma protein B; hematopoietic growth factor inducible neurokinin-1 type; osteoactivin; transmembrane glycoprotein HGFIN

Gene ID

10457

UniProt ID

Q14956

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