

Datasheet for ABIN7491429

Osteoactivin Protein (GPNMB) (AA 23-496) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Osteoactivin (GPNMB)
Protein Characteristics:	AA 23-496
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Osteoactivin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GPNMB Protein with C-terminal 6xHis tag
Specificity:	GPNMB (Lys23-Met496) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Osteoactivin (GPNMB)
Alternative Name:	GPNMB (GPNMB Products)
Background:	The protein encoded by this gene is a type I transmembrane glycoprotein which shows

Target Details

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. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 53.9 kDa after removal of the signal peptide. The apparent molecular mass of GPNMB-His is 70-130 kDa due to glycosylation.

UniProt: [Q14956](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

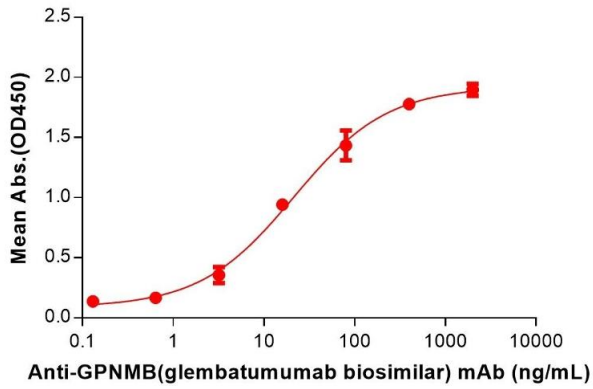
Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

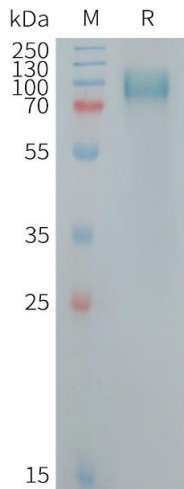
Human GPNMB, His Tagged protein ELISA

0.2 µg of Human GPNMB, His tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human GPNMB Protein, His Tag (ABIN7455790, ABIN7491428 and ABIN7491429) can bind Anti-GPNMB(glembatumumab biosimilar) mAb ((ABIN7538764)) in a linear range of 3.20-80 ng/mL.



SDS-PAGE

Image 2. Human GPNMB Protein, His Tag on SDS-PAGE under reducing condition.