

## **PRODUCT INFORMATION**

**Target GPNMB** 

**Synonyms** HGFIN; NMB; PLCA3

Recombinant Human GPNMB Protein with C-**Description** 

terminal 6×His tag

**Delivery** In Stock **Uniprot ID** Q14956 **HEK293 Expression Host** Tag C-6×His Tag

Molecular

GPNMB(Lys23-Met496) 6×His tag Characterization

The protein has a predicted molecular mass of

53.9 kDa after removal of the signal peptide. The apparent molecular mass of GPNMB-His is **Molecular Weight** 

approximately 70-130 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 **Background** 

and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Research use only Usage

Conjugate Unconjugated

> Email: info@dimabio.com Website: www.dimabio.com





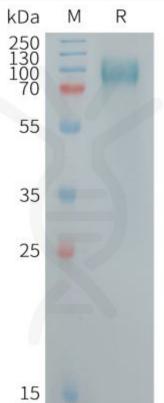


Figure 1.Human GPNMB Protein, His Tag on SDS-PAGE under reducing condition.

## Human GPNMB, His Tagged protein ELISA

0.2 µg of Human GPNMB, His tagged protein per well

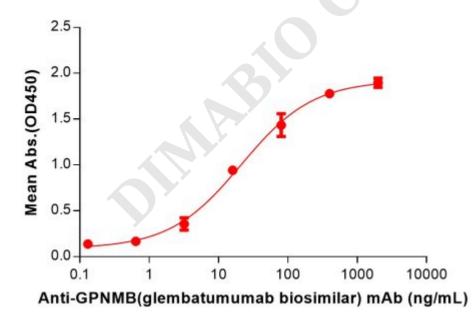


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human GPNMB Protein, His Tag (PME101255) can bind Anti-GPNMB(glembatumumab biosimilar) mAb (BME100194) in a linear range of 3.20–80 ng/mL.





