

GPNMB/Osteoactivin Protein, Human (Isoform 2, HEK293, Fc)

Cat. No.:	HY-P75951
Synonyms:	Transmembrane Glycoprotein NMB; GPNMB; HGFIN; NMB
Species:	Human
Source:	HEK293
Accession:	Q14956-2 (A22-P474)
Gene ID:	10457
Molecular Weight:	Approximately 107.5 kDa

PROPERTIES

AA Sequence	<pre> A K R F H D V L G N E R P S A Y M R E H N Q L N G W S S D E N D W N E K L Y P V W K R G D M R W K N S W K G G R V Q A V L T S D S P A L V G S N I T F A V N L I F P R C Q K E D A N G N I V Y E K N C R N E A G L S A D P Y V Y N W T A W S E D S D G E N G T G Q S H H N V F P D G K P F P H H P G W R R W N F I Y V F H T L G Q Y F Q K L G R C S V R V S V N T A N V T L G P Q L M E V T V Y R R H G R A Y V P I A Q V K D V Y V V T D Q I P V F V T M F Q K N D R N S S D E T F L K D L P I M F D V L I H D P S H F L N Y S T I N Y K W S F G D N T G L F V S T N H T V N H T Y V L N G T F S L N L T V K A A A P G P C P P P P P P P R P S K P T P S L G P A G D N P L E L S R I P D E N C Q I N R Y G H F Q A T I T I V E G I L E V N I I Q M T D V L M P V P W P E S S L I D F V V T C Q G S I P T E V C T I I S D P T C E I T Q N T V C S P V D V D E M C L L T V R R T F N G S G T Y C V N L T L G D D T S L A L T S T L I S V P </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Integrin alpha V beta 3 at 2 µg/mL (100 µL/well) can bind Biotinylated Human GPNMB with an ED ₅₀ of 1.557 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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