

## 32-7450: Recombinant Human Osteoactivin/GPNMB (C-6His)

**Gene :** GPNMB  
**Gene ID :** 10457  
**Uniprot ID :** Q14956

### Description

Source: Human Cells.  
MW :53.09kD.

Recombinant Human 0 is produced by our Mammalian expression system and the target gene encoding Ala22-Pro486 is expressed with a 6His tag at the C-terminus. 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, macrophages/keratinocytes.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** AKRFHDLGNERP 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 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 R S K P T P S L A T T L K S Y D S N T P 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 V D H H H H H H

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.