# **Human GPNMB/Osteoactivin (His Tag)** recombinant protein

Catalog Number: 502995



# **General Information**

# Gene Name Synonym

Transmembrane glycoprotein HGFIN

# **Protein Construction**

A DNA sequence encoding the human GPNMB isoform 2 (Q14956-2) extracellular domain (Met 1-Pro 474) was fused with a polyhistidine tag at the C-terminus.

# **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Purity**

> 98 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Ala 22

#### **Molecular Mass**

The recombinant human GPNMB consists of 464

amino acids and predictes a molecular mass of 52.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhGPNMB is approximately 85-90 kDa due to glycosylation.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- $1.\ 5$  % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

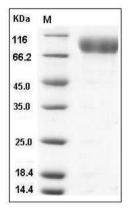
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human GPNMB / Osteoactivin Protein (His Tag) SDS-PAGE