# Human BMP-5 (Fc Tag) recombinant protein

Catalog Number: 501453



## **General Information**

#### **Gene Name Synonym**

Bone morphogenetic protein 5

#### **Protein Construction**

A DNA sequence encoding the carboxy-terminal domain (Gln 324-His 454) (the mature chain) of human BMP5 (NP\_066551.1) was expressed with the fused Fc region of human IgG1 at the N-terminus.

# **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC** Testing

## **Purity**

> 95 % as determined by SDS-PAGE and SEC-HPLC Analysis.

#### **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

Glu 20

#### **Molecular Mass**

The recombinant human Fc/BMP5 is a disulfide-linked homodimeric protein. The reduced monomer consists of 367 amino acids and has a predicted molecular mass of 41.5 kDa. As a result of glycosylation, the apparent molecular mass of rhFc/BMP5 monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions.

#### **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**

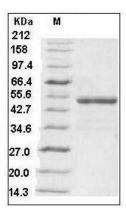
#### **Storage**

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 BMP-5 Protein (Fc Tag) SDS-PAGE