

PRODUCT INFORMATION

BMP6 **Target**

Synonyms BMP-6;VGR-1

Recombinant mouse BMP6 protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P20722 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Background

Mouse BMP6(Cys21-His510) 6×His tag Characterization

The protein has a predicted molecular mass of

54.9 kDa after removal of the signal peptide. The apparent molecular mass of mBMP6-His is **Molecular Weight** approximately 35-70 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.

This gene encodes a secreted ligand of the TGF-

beta (transforming growth factor-beta)

superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This

protein regulates a wide range of biological processes including iron homeostasis, fat and bone development, and ovulation. Mice lacking this gene exhibit delayed ossification of the sternum, iron overload, and reduced fertility in

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females. [provided by RefSeq, Jul 2016]

Usage Research use only Conjugate Unconjugated

Email: info@dimabio.com

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)





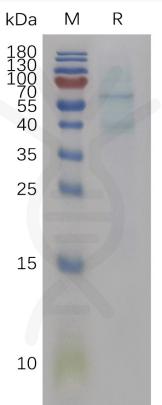


Figure 1. Mouse BMP6 Protein, His Tag on SDS-PAGE under reducing condition.

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