

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

Storage & Shipping

Background

Conjugate

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

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Unconjugated

This gene encodes a secreted ligand of the TGF-

beta (transforming growth factor-beta)

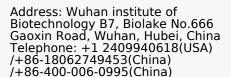
superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each

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

females. [provided by RefSeq, Jul 2016]

Usage Research use only

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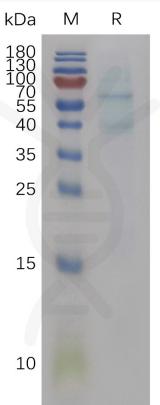


Figure 1. Mouse BMP6 Protein, His Tag on SDS-PAGE under reducing condition.

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