

Datasheet for ABIN7491233

BMP6 Protein (AA 21-510) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	BMP6
Protein Characteristics:	AA 21-510
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMP6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant mouse BMP6 protein with C-terminal 6xHis tag
Specificity:	Mouse BMP6 (Cys21-His510) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	BMP6
Alternative Name:	BMP6 (BMP6 Products)
Background:	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta)

Target Details

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]

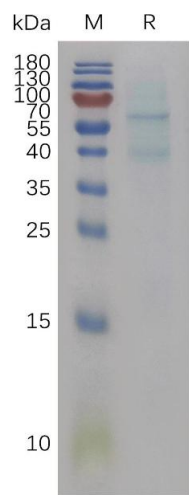
Molecular Weight:	predicted molecular mass of 54.9 kDa after removal of the signal peptide. The apparent molecular mass of mBMP6-His is 35-70 kDa due to glycosylation.
UniProt:	P20722
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months



SDS-PAGE

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