

## 32-18008: Recombinant Mouse BMP6 Protein, His Tag

**Uniprot ID :** P20722

**Alternative Name :** BMP-6, VGR-1

### Description

Molecular Characterization: Mouse BMP6(Cys21-His510) 6xHis tag

Molecular weight: 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 approximately 35-70 kDa due to glycosylation.

Description: Recombinant mouse BMP6 protein with C-terminal 6xHis tag

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.

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** 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.