

Recombinant Mouse Bmp6 Protein, MYC/DDK-tagged

Cat. No. Bmp6-713M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse bone morphogenetic protein 6 (Bmp6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	56.4 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Bmp6 bone morphogenetic protein 6 [Mus musculus (house mouse)]
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Official Symbol	Bmp6
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Synonyms	Bmp6; bone morphogenetic protein 6; Vgr1; D13Wsu115e; bone morphogenetic protein 6; VG-1-related protein
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Gene ID	12161
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mRNA Refseq	NM_007556
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Protein Refseq	NP_031582
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UniProt ID	P20722
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