

Active Recombinant Mouse Bmp6

Cat. No. Bmp6-28M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmp6(Ser372-His510) was expressed in CHO Cells.
Species	Mouse
Source	CHO
ProteinLength	372-510 a.a.
Description	Bone morphogenetic protein 6 is a protein that in humans is encoded by the BMP6 gene. The protein encoded by this gene is a member of the TGFβ superfamily. Bone morphogenetic proteins are known for their ability to induce the growth of bone and cartilage. BMP6 is able to induce all osteogenic markers in mesenchymal stem cells.
Predicted N Terminal	Ser372
Form	Disulfide-linked homodimer. Lyophilized from a 0.2 μm filtered solution in HCl.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is typically 0.1 - 0.4 μg/mL.
Molecular Mass	Predicted Molecular Mass: 15.5 kDaSDS-PAGE: 18 kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 °C as

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supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution Reconstitute at 200 µg/mL in 4mM HCl.

GENE INFORMATION

Gene Name	Bmp6 bone morphogenetic protein 6 [Mus musculus (house mouse)]
Official Symbol	Bmp6
Synonyms	Bmp6; Vgr1; D13Wsu115e; bone morphogenetic protein 6; BMP-6; VG-1-related protein
Gene ID	12161
mRNA Refseq	NM_007556
Protein Refseq	NP_031582
UniProt ID	P20722
Chromosome Location	13 A3.3; 13 18.15 cM
Pathway	Endochondral Ossification; Hippo signaling pathway; Ovarian steroidogenesis
Function	BMP receptor binding; cytokine activity; growth factor activity

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