

Recombinant Mouse Bmp8a Protein, His-tagged

Cat. No. Bmp8a-263M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmp8a(Gly20~His399) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly20~His399
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 may play a role in development of the reproductive system. Mice lacking a functional copy of this gene exhibit degeneration of germ cells and the epididymal epithelium. This gene may have arose from a gene duplication event and its gene duplicate is also present on chromosome 4.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	46.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

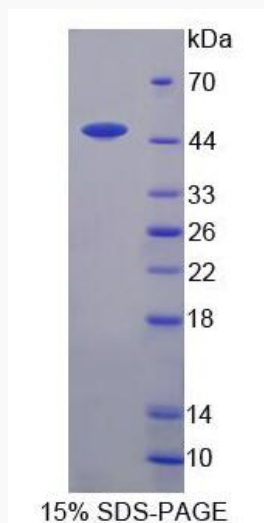
GENE INFORMATION

Gene Name	Bmp8a bone morphogenetic protein 8a [<i>Mus musculus</i>]
Official Symbol	Bmp8a
Synonyms	BMP8A; bone morphogenetic protein 8a; bone morphogenetic protein 8A; BMP-8A; osteogenic protein 2; OP2; OP-2; Bmp7r1;
Gene ID	12163
mRNA Refseq	NM_001256019
Protein Refseq	NP_001242948
UniProt ID	P34821

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