Active Recombinant Mouse Bmp7

Cat. No. Bmp7-589M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmp7 (Accession # NP_031583) Ser292-His430, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
ProteinLength	Ser292-His430
Predicted N Terminal	Ser292
Form	Lyophilized from a 0.2 μm filtered solution in HCl with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. Nakamura, K. et al. (1999) Exp. Cell Res. 250:351.The ED50 for this effect is typically 0.125-0.5 μg/mL.
Molecular Mass	Recombinant Mouse Bmp7 has a calculated MW of 15.6 kDa (monomer). In SDS-PAGE migrates as 16-20 kDa under reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution	Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	Bmp7 bone morphogenetic protein 7 [Mus musculus]
Official Symbol	Bmp7
Synonyms	BMP7; bone morphogenetic protein 7; OP-1; BMP-7; osteogenic protein 1; OP1;
Gene ID	12162
mRNA Refseq	NM_007557
Protein Refseq	NP_031583
MIM	

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