

Active Recombinant Human BMP2&BMP7

Cat. No. BMP2&BMP7-709H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP2&BMP7 (Accession # NP_001191 (BMP-2) & NP_001710 (BMP-7)) was produced in E. coli-derived.
Species	Human
Source	E.coli
Predicted N Terminal	Ala284 & Ser293
Form	Lyophilized from a 0.2 µ filtered solution in Acetonitrile and TFA 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 10 - 40 ng/mL.
Molecular Mass	Recombinant Human BMP2&BMP7 has a calculated MW of 12.9 kDa (BMP-2), 15.8 kDa (BMP-7).
Purity	>97%, 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 (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 10 g/mL in sterile 4 mM HCl containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name BMP2 bone morphogenetic protein 2 [Homo sapiens]

Official Symbol BMP2

Synonyms BMP2; bone morphogenetic protein 2; BMP2A; BMP-2A; bone morphogenetic protein 2A; BDA2;

Gene ID 650

mRNA Refseq NM_001200

Protein Refseq NP_001191

MIM 112261

UniProt ID P12643

Chromosome Location 20p12

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