

Recombinant Human BMP2

Cat. No. BMP2-31084TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human recombinant full length ProBMP2; 377 amino acids, 86kDa.
Species	Human
Description	The protein encoded by this gene belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation.
Form	Lyophilised: It is recommended to reconstitute in sterile 18MΩ·cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 0.1M K-HEPES / Mannite , pH 7.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name	BMP2 bone morphogenetic protein 2 [Homo sapiens]
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Official Symbol	BMP2
Synonyms	BMP2; bone morphogenetic protein 2; BMP2A;
Gene ID	650
mRNA Refseq	NM_001200
Protein Refseq	NP_001191
MIM	112261
Uniprot ID	P12643
Chromosome Location	20p12
Pathway	Adipogenesis, organism-specific biosystem; Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	BMP receptor binding; SMAD binding; activin receptor activity, type II; cytokine activity; growth factor activity;

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