

Recombinant Human Bone Morphogenetic Protein 3

Cat. No. BMP3-40H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human BMP3 is a 31.6 kDa homodimeric protein consisting of two 134 amino acid polypeptide chains.
Species	Human
Source	E.coli
Description	BMPs (bone morphogenetic proteins) belong to the TGF- β superfamily of structurally related signaling proteins. As implied by their name, BMPs promote and regulate bone development, growth, remodeling and repair, in both prenatal development and postnatal growth of eye, heart, kidney, skin, and other tissues.
Biological Activity	Testing is in progress.
Molecular Weight	31.6 kDa
Form	Lyophilized without additives.
Appearance	Lyophilized protein
Endotoxin Level	<0.1 ng/ μ g
Reconstitution	Centrifuge the vial prior to opening. Reconstitute to a concentration of 0.1-1.0 mg/ml in water containing BSA (50 ug BSA per 1 ug of protein). This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future

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use.

Purity >98% by SDS-PAGE and HPLC analyses

Storage The lyophilized protein is best-stored desiccated below 0°C. Reconstituted BMP-5 should be stored in working aliquots at -20°C.

Pathways Adipogenesis

GENE INFORMATION

Gene Name [BMP3 bone morphogenetic protein 3 \[Homo sapiens \]](#)

Official Symbol [BMP3](#)

Synonyms BMP3; bone morphogenetic protein 3; BMP-3A; bone morphogenetic protein 3; BMP-3; osteogenin; OTTHUMP00000160802; bone morphogenetic protein-3; bone morphogenetic protein 3A; bone morphogenetic protein 3 (osteogenic)

Gene ID [651](#)

mRNA Refseq [NM_001201](#)

Protein Refseq [NP_001192](#)

MIM [112263](#)

UniProt ID [P12645](#)

Chromosome Location [4q21](#)

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Function

BMP receptor binding; cytokine activity; growth factor activity; receptor binding

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