

Recombinant Human BMP3

Cat. No. BMP3-26427TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human BMP3 expressed in HEK293 cells; 111 amino acids, disulfide linked homodimeric protein, MWt 12.5 kDa.
Species	Human
ProteinLength	110 amino acids
Description	BMP3 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein, also known as osteogenin, induces bone formation.
Molecular Weight	12.500kDa
Tissue specificity	Expressed in adult and fetal cartilage.
Biological activity	Biological Activity: Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells.
Form	Lyophilised: The lyophilized protein is stable at room temperature for up to 1 month. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MQWIEPRNCA RRYLKVDFAD IGWSEWIISP KSFDAYYCSG ACQFPMPKSL KPSNHATIQS IVRAVGVVPG IPEPCCVPEK MSSLSILFFD ENKNVVLKVY PNMTVESCAC R
Sequence Similarities	Belongs to the TGF-beta family.
GENE INFORMATION	
Gene Name	BMP3 bone morphogenetic protein 3 [Homo sapiens]
Official Symbol	BMP3
Synonyms	BMP3; bone morphogenetic protein 3; bone morphogenetic protein 3 (osteogenic); osteogenin;
Gene ID	651
mRNA Refseq	NM_001201
Protein Refseq	NP_001192
MIM	112263
Uniprot ID	P12645
Chromosome Location	4q21
Pathway	Adipogenesis, organism-specific biosystem;

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Function

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

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