

Recombinant Human BMP4 protein

Cat. No. BMP4-261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP4, transcript variant 1, was expressed in HeLa.
Species	Human
Source	HeLa
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Molecular Mass	46.4
AA Sequence	HHSQRARKKNKNCRRHSLYVDFSDVGWNDWIVAPPGYQAFYCHGDCPFPLADHL NSTNHAIVQTLVNSVNSSIPKACCVPTELSAISMLYLDEYDKVVLKNYQEMVVEGCG CR
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration Resuspend the protein in the desired concentration in proper buffer

GENE INFORMATION

Gene Name	BMP4 bone morphogenetic protein 4 [Homo sapiens]
Official Symbol	BMP4
Synonyms	BMP4; bone morphogenetic protein 4; BMP2B; BMP-4; BMP-2B; bone morphogenetic protein 2B; ZYME; OFC11; BMP2B1; MCOPS6;
Gene ID	652
mRNA Refseq	NM_001202
Protein Refseq	NP_001193
MIM	112262
UniProt ID	P12644

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