

Recombinant Human BMP4 Protein, GST-tagged

Cat. No. BMP4-266H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BMP4 (NP_001193.1, 25 a.a. - 408 a.a.) partial recombinant protein with His-MBP tag expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	25-408 a.a.
Description	The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5 untranslated region of this gene has been described and three variants are described, all encoding an identical protein.
Form	In 20 mM sodium phosphate, 0.5 M NaCl, 0.5 M imidazole, pH 7.4. (30% glycerol)
Molecular Mass	90.266 kDa
Endotoxin	< 0.1 EU per ug of the protein

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	In 20 mM sodium phosphate, 0.5 M NaCl, 0,5 M imidazole, pH 7.4. (30% glycerol)
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GENE INFORMATION

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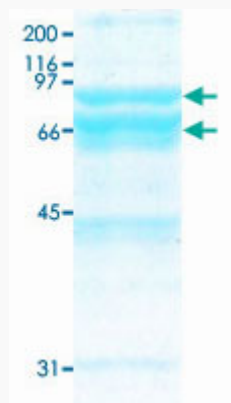
MIM	112262
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UniProt ID	P12644
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