

BMP5 (Human) Recombinant Protein

Catalog # P8475

Size 20 ug

Specification

Product Description	Human BMP5 (P22003, 317 a.a. - 454 a.a.) partial-length recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MAANKRKNQNRNKSSSHQDSSRMSSVGDYNTSEQKQACKKHELYVSFRDLGWQDWIAPEGYA AFYCDGECFPLNAHMNATNHAIQTLVHLMFPDHVPKPCCAPTCLNAISVLYFDDSSNVILKKYR NMVVRSCGCH.
Host	Escherichia coli
Theoretical MW (kDa)	15.7
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Storage Buffer	The BMP-5 solution contains 10mM Sodium Citrate buffer (pH3.5) and 10% Glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — BMP5

Entrez GeneID	653
Protein Accession#	P22003
Gene Name	BMP5

Gene Alias	MGC34244
Gene Description	bone morphogenetic protein 5
Omim ID	112265
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric proteins. This protein may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. This gene is differentially regulated during the formation of various tumors. [provided by RefSeq]
Other Designations	OTTHUMP00000016650

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

- [Congenital Abnormalities](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)