

Recombinant Human BMP5 Protein, GST-tagged

Cat. No. BMP5-269H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BMP5 partial ORF (NP_066551.1, 341 a.a. - 440 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa
AA Sequence	VGDYNTSEQKQACKKHELYVSFRDLGWQDWIIAPEGYAAFYCDGECSSFPLNAHMN ATNHAIVQTLVHLMFPDHPKPCCAPTKLNAISVLYFDDSSNVIL
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BMP5 bone morphogenetic protein 5 [Homo sapiens]

Official Symbol BMP5

Synonyms BMP5; bone morphogenetic protein 5; BMP-5; MGC34244;

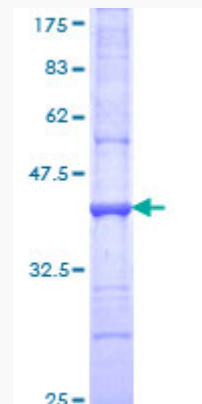
Gene ID 653

mRNA Refseq NM_021073

Protein Refseq NP_066551

MIM 112265

UniProt ID P22003



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