

CX Grade

BMP5 monoclonal antibody (M30C), clone 4A3

Catalog # H00000653-M30C

Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant BMP5. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	BMP5 (NP_066551.1, 341 a.a. ~ 454 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VGDYNTSEQKQACKKHELYVSFRDLGWQDWIIAPEGYAAFYCDGECFPLNAHMNATNHAIQTL VHLMFPDHVPKPCCAPTKLNAISVLYFDDSSNVILKKYRNMVVRSCGCH
Host	Mouse
Reactivity	Human
Preparation Method	Cell Culture Production
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In condensed culture supernatant
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — BMP5

Entrez GeneID	653
GeneBank Accession#	NM_021073.1

Protein Accession#	NP_066551.1
Gene Name	BMP5
Gene Alias	MGC34244
Gene Description	bone morphogenetic protein 5
Omim ID	112265
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)