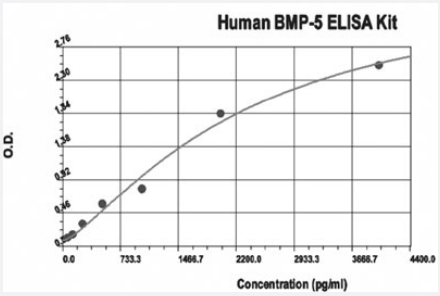
BMP5 (Human) ELISA Kit

Catalog # KA1501 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	BMP5 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of BMP5.
Suitable Sample	Cell Culture Supernatant, Serum and Bone Tissue
Sample Volume	0.1 mL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

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- Quantification

Gene Info — BMP5

Entrez GeneID	653
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

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- Obesity
- Osteoarthritis
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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