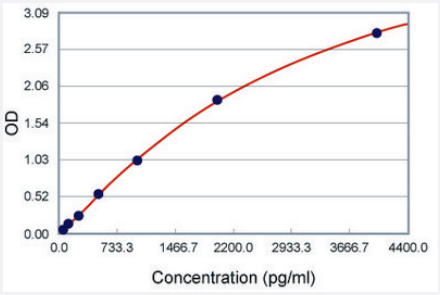
BMP4 (Human) ELISA Kit

Catalog # KA0543 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	BMP4 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human BMP4.
Suitable Sample	Bone tissue, Cell Culture Supernatant
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 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 — BMP4

Entrez GeneID	652
Gene Name	BMP4
Gene Alias	BMP2B, BMP2B1, MCOPS6, ZYME
Gene Description	bone morphogenetic protein 4
Omim ID	112262
Gene Ontology	Hyperlink
Gene Summary	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 a bility of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskelet al site. This particular family member plays an important role in the onset of endochondral bone fo rmation in humans, and a reduction in expression has been associated with a variety of bone dise ases, 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. [provided by RefSeq
Other Designations	bone morphogenetic protein 2B

Publication Reference

- Fine mapping of the human bone morphogenetic protein-4 gene (BMP4) to chromosome 14q22-q23 by in situ hybridization.

  van den Wijngaard A, Weghuis DO, Boersma CJ, van Zoelen EJ, Geurts van Kessel A, Olijve W.

  Genomics 1995 Jun; 27(3):559.

  Application : Quant, Human, Plasma, Serum

- Cloning and sequence of bone morphogenetic protein 4 (BMP-4) from a human placental cDNA library.

  Oida S, Iimura T, Maruoka Y, Takeda K, Sasaki S.

  DNA Sequence : the Journal of DNA Sequencing and Mapping 1995 Jan; 5(5):273.

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Pathway

- Basal cell carcinoma
- Cytokine-cytokine receptor interaction
- Hedgehog signaling pathway
- Pathways in cancer
- TGF-beta signaling pathway

Disease

- Alzheimer disease
- Anemia
- Bone Diseases
- Calcinosis
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coloboma
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Susceptibility
- Edema
- Gaucher disease
- Genetic Predisposition to Disease

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- Hemochromatosis
- Hypospadias
- Kidney Failure
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Microphthalmos
- Neoplasms
- Neural Tube Defects
- Obesity
- Osteoporosis
- Ovarian Failure
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Prenatal Exposure Delayed Effects
- Puberty
- Skin Neoplasms
- Thrombophilia
- Tobacco Use Disorder

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