

BMP2 (Human) ELISA Kit

Catalog # KA0540

Size 1 Kit

Specification

Product Description	BMP2 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human BMP2.
Suitable Sample	Bone Tissue, Cell Culture Supernatant, Serum
Sample Volume	100 μ L
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	31.2 to 2000 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

- Quantification

Gene Info — BMP2

Entrez GeneID	650
Gene Name	BMP2
Gene Alias	BMP2A

Gene Description	bone morphogenetic protein 2
Omim ID	112261 235200
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation. [provided by RefSeq]
Other Designations	OTTHUMP00000030228

Publication Reference

- [Biological Activation of Bioinert Medical High Performance Oxide Ceramics by Hydrolytically Stable Immobilization of c\(RGDyK\) and BMP-2.](#)

Böke F, Labude N, Lauria I, Ernst S, Müller-Newen G, Neuss S, Fischer H.

ACS Applied Materials & Interfaces 2018 Nov; [Epub].

Application: Quant, Human, Recombinant protein

- [Osteogenic activity of the fourteen types of human bone morphogenetic proteins \(BMPs\).](#)

Cheng H, Jiang W, Phillips FM, Haydon RC, Peng Y, Zhou L, Luu HH, An N, Breyer B, Vanichakarn P, Szatkowski JP, Park JY, He TC.

The Journal of Bone and Joint Surgery. American Volume 2003 Aug; 85-A(8):1544.

- [BMP-2 mediates retinoid-induced apoptosis in medulloblastoma cells through a paracrine effect.](#)

Hallahan AR, Pritchard JI, Chandraratna RA, Ellenbogen RG, Geyer JR, Overland RP, Strand AD, Tapscott SJ, Olson JM.

Nature Medicine 2003 Aug; 9(8):1033.

- [The gene for bone morphogenetic protein 2A \(BMP2A\) is localized to human chromosome 20p12 by radioactive and nonradioactive in situ hybridization.](#)

Rao VV, Loffler C, Wozney JM, Hansmann I.

Human Genetics 1992 Nov; 90(3):299.

Pathway

- [Basal cell carcinoma](#)
- [Cytokine-cytokine receptor interaction](#)

- [Hedgehog signaling pathway](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Abortion](#)
- [Asthma](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)

- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Sudden Infant Death](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)