

Datasheet for ABIN6719905
BMP5 ELISA Kit[Go to Product page](#)

1 Image

Overview

| | |
|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | BMP5 |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL |
| Application: | ELISA |

Product Details

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| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Bone, Cell Culture Supernatant, Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: BMP-5, Bmp5, BMP5_HUMAN, Bone morphogenetic protein 5</p> <p>Background: Bone morphogenetic protein 5 is a protein that in humans is encoded by the BMP5 gene.^{1,2,3} The protein encoded by this gene is member of the TGFbeta superfamily. Bone morphogenetic proteins are known for their ability to induce bone and cartilage development. BMP5 may play a role in certain cancers. Like other BMP's BMP5 is inhibited by chordin and noggin. It is expressed in the trabecular meshwork and optic nerve head and may have a role in the development and normal function. It is also expressed in the lung and liver. BMP-5 is mapped on human chromosome 6.⁴ The standard used in this kit is recombinant BMP-5 with</p> |

Product Details

the monomer molecular mass of 18KDa.

Gene Name: BMP5

Production: Natural and recombinant human BMP-5. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A317-H454

Target Details

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| Target: | BMP5 |
| Alternative Name: | BMP-5 (BMP5 Products) |
| Gene ID: | 653 |
| NCBI Accession: | NP_066551 |
| UniProt: | P22003 |
| Pathways: | Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process |

Application Details

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| Application Notes: | Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human BMP-5 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or bone tissue to each empty well. It is recommended that each human BMP-5 standard solution and each sample be measured in duplicate. ELISA Dilution: 156pg/mL-10000g/mL |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

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| Storage: | RT, 4 °C, -20 °C |
| Storage Comment: | Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only |

Handling

prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

ELISA

Image 1. Human BMP-5 Accusignal ELISA Kit Human BMP-5 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000g/ml. Sensitivity: <10pg/ml.

