

Datasheet for ABIN935245

BMP4 Protein



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Overview

Quantity:	5 µg
Target:	BMP4
Origin:	Human
Source:	HeLa Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	HHSQRARKKN KNCRRHSLYV DFSDVGWNDW IVAPPGYQAF YCHGDCPFPL ADHLNSTNHA IVQTLVNSVN SSIKACCVV TELSAISMLY LDEYDKVVLK NYQEMVVEGC GCR
Characteristics:	Purified recombinant Human BMP4 protein Expression System: HeLa cells Bioactivity: Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells.
Purity:	> 97 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	BMP4
Alternative Name:	BMP4 (BMP4 Products)
Background:	Bone morphogenetic proteins (BMPs) constitute a subfamily within the TGF beta superfamily of structurally related signaling proteins. Members of this superfamily are widely distributed

Target Details

throughout the body and are involved in diverse physiological processes during both pre- and postnatal life. Like BMP-7, BMP-4 is involved in the development and maintenance of bone and cartilage. Reduced expression of BMP-4 is associated with a number of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva.

Alternative Names: BMP-4 protein, Bone Morphogenetic protein 4 protein, BMP-4 protein, BMP 4, BMP 4 protein, DVR4 protein, BMP4, BMP-2B protein, BMP-4

Molecular Weight: 31-36

Pathways: [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Tube Formation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.