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Datasheet for ABIN935246

BMP6 Protein

Overview

Quantity:	10 µg
Target:	BMP6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	VSSASDYNSS ELKTACRKHE LYVSFQDLGW QDWIIPKGY AANYCDGECs FPLNAHMNAT NHAIVQTLVH LMNPEYVPKP CCAPTCLNAI SVLYFDDNSN VILKKYRNMV VRACGCH
Characteristics:	Purified recombinant Human BMP6 protein Expression System: HEK cells Bioactivity: Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 this effect is 0.03-0.06 µg/mL.
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	BMP6
Alternative Name:	BMP6 (BMP6 Products)
Background:	TGF beta family members are key modulators of cell proliferation, differentiation, matrix

Target Details

synthesis, and apoptosis. As implied by their name, BMPs initiate, promote, and regulate the development, growth and remodeling of bone and cartilage. In addition to this role, BMPs are also involved in prenatal development and postnatal growth, remodeling and maintenance of a variety of other tissues and organs. Increasing evidence indicates that BMP-Smad signaling has a tumor suppressing activity and that BMPs can inhibit tumor growth. BMP-6 is abnormally expressed in breast cancer cell lines, however, its function in promoting breast cancer development is unknown.

Alternative Names: BMP 6 protein, VGR protein, BMP6, Bone Morphogenetic protein 6 protein, BMP-6, BMP-6 protein, BMP-6 protein, BMP 6

Molecular Weight: 26.2 kDa

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in water to a concentration of 0.1-1.0 mg/mL.

Buffer: Lyophilized from 10 mM Tris, pH 9.0.

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.