Datasheet for ABIN935239

GDF6 Protein

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Overview

Quantity:	50 µg
Target:	GDF6
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	TAFASRHGKR HGKKSRLRCS KKPLHVNFKE LGWDDWIIAP LEYEAYHCEG VCDFPLRSHL EPTNHAIIQT LMNSMDPGST PPSCCVPTKL TPISILYIDA GNNVVYKQYE DMVVESCGCR
Characteristics:	Purified recombinant Human BMP13 protein Expression System: E.coli Bioactivity: The ED50 was determined by its ability to induce alkaline phosphatase production by ATDC-5 chondrogenic cells in the range of 2.0-3.0 µg/mL.
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	GDF6
Alternative Name:	BMP13 (GDF6 Products)
Background:	BMP-13 is expressed in hypertrophic chondrocytes during embryonic development of long

Target Details

	bones. Continued postnatal expression of BMP-13 in articular cartilage suggests that it plays a regulatory role in the growth and maintenance of articular cartilage. Adenovirus-mediated BMP-13 gene transfer to rabbit bone marrow stem cells have been reported to augment periosteal repair of osteochondral defects. The functional form of BMP-13/CDMP-2 is a disulfide-linked homodimer of two 120 amino acid polypeptide chains. Alternative Names: BMP-13 protein, BMP-13, BMP 13, CDMP-2 protein, BMP-13 protein, Cartilage-Derived Morphogenetic Protein-2 protein, Bone Morphogenetic protein 13 protein, BMP13, GDF-6 protein, BMP 13 protein
Molecular Weight:	27.5 kDa

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Comment:	Biological activity: The ED50 was determined by its ability to induce alkaline phosphatase production by ATDC-5 chondrogenic cells in the range of 2.0-3.0 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in water to a concentration of 0.1-1.0 mg/mL.
Buffer:	Supplied lyophilized with no additives.
Preservative:	Without preservative
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.