

Datasheet for ABIN7491353
BMP2 Protein (AA 283-396) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	BMP2
Protein Characteristics:	AA 283-396
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMP2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human BMP2 Protein with C-terminal human Fc tag
Specificity:	BMP2 (Gln283-Arg396) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	BMP2
Alternative Name:	BMP2 (BMP2 Products)
Background:	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta)

Target Details

superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer, which plays a role in bone and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients. [provided by RefSeq, Jul 2016]

Molecular Weight: predicted molecular mass of 39.0 kDa after removal of the signal peptide. The apparent molecular mass of BMP2-hFc is 35-55 kDa due to glycosylation.

UniProt: [P12643](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Regulation of Muscle Cell Differentiation](#), [Growth Factor Binding](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human Protein, hFc Tag on SDS-PAGE under reducing condition.