

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

# 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 (GIn283-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)

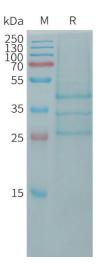
	Regulation of Muscle Cell Differentiation, Growth Factor Binding, Positive Regulation of fat Cell Differentiation
Pathways:	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process,
UniProt:	P12643
Molecular Weight:	predicted molecular mass of 39.0 kDa after removal of the signal peptide. The apparent molecular mass of BMP2-hFc is 35-55 kDa due to glycosylation.
	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]
	disulfide-linked homodimer, which plays a role in bone and cartilage development. Duplication
	The encoded preproprotein is proteolytically processed to generate each subunit of the
	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.
	superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to

## **Application Details**

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## 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.