

PRODUCT INFORMATION

BMP2 **Target**

Synonyms BDA2;BMP2A;SSFSC;SSFSC1

Recombinant Human BMP2 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P12643 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

BMP2(Gln283-Arg396) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

39.0 kDa after removal of the signal peptide. The apparent molecular mass of BMP2-hFc is **Molecular Weight**

approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a secreted ligand of the TGF-

beta (transforming growth factor-beta)

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

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characterized by a malformed index finger and second toe in húman patients. [provideď by

RefSeq, Jul 2016]

Usage Research use only

Conjugate Unconjugated





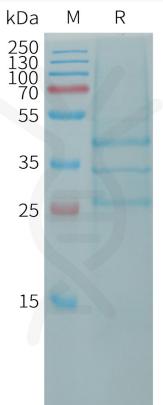


Figure 1. Human BMP2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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