

PRODUCT INFORMATION

IBSP Target

BSP;BNSP;SP-II;BSP-II **Synonyms**

Recombinant Human IBSP Protein with C-terminal **Description**

6×His tag

Delivery In Stock **Uniprot ID** P21815 **Expression Host HEK293**

Tag C-6×His Tag

Molecular Characterization

Purity

IBSP(Phe17-Gln317) 6×His tag

The protein has a predicted molecular mass of

34.3 kDa after removal of the signal peptide. The apparent molecular mass of IBSP-His is **Molecular Weight**

approximately 55-70 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

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.

The protein encoded by this gene is a major structural protein of the bone matrix. It constitutes approximately 12% of the

noncollagenous proteins in human bone and is synthesized by skeletal-associated cell types,

including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts. The only **Background**

extraskeletal site of its synthesis is the trophoblast. This protein binds to calcium and hydroxyapatite via its acidic amino acid clusters, and mediates cell attachment through an RGD

sequence that recognizes the vitronectin receptor. [provided by RefSeq, Jul 2008]

Usage Research use only

Conjugate Unconjugated

> Email: info@dimabio.com Website: www.dimabio.com





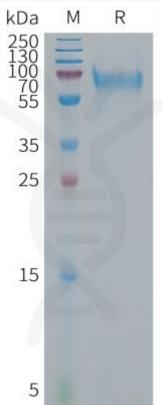


Figure 1.Human IBSP Protein, His Tag on SDS-PAGE under reducing condition.

Email: info@dimabio.com Website: www.dimabio.com

