

Datasheet for ABIN7273987

IBSP Protein (AA 17-317) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IBSP
Protein Characteristics:	AA 17-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IBSP protein is labelled with His tag.

Product Details

Purpose:	Human BSPII Protein
Sequence:	Phe17-Gln317
Characteristics:	Recombinant Human BSPII Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe17-Gln317.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	IBSP
Alternative Name:	BSPII (IBSP Products)

Target Details

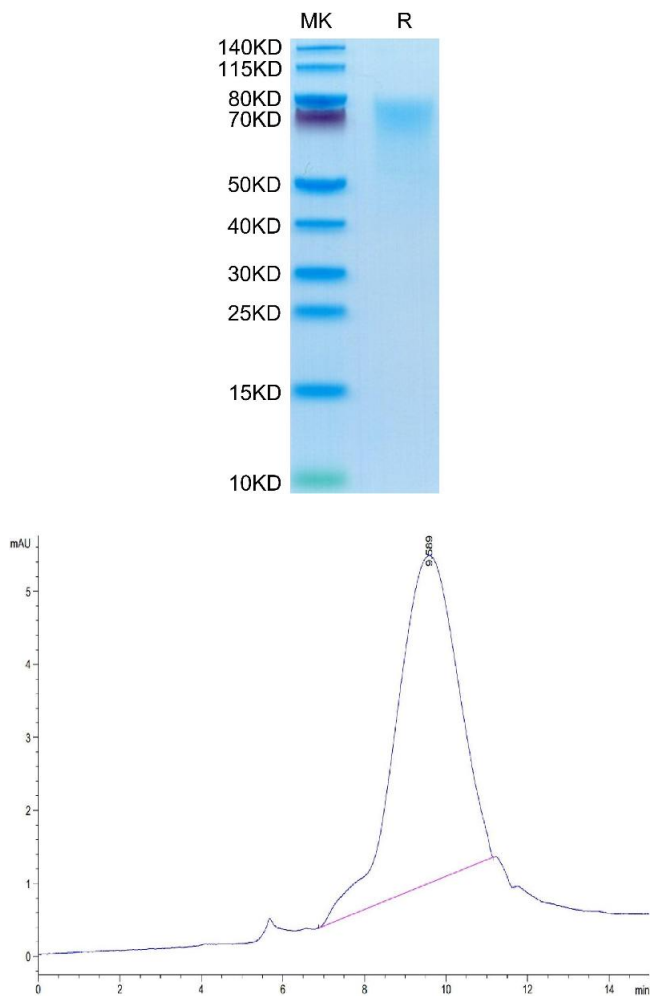
Background:	IBSP (Integrin Binding Sialoprotein) is a Protein Coding gene. Diseases associated with IBSP include Fibrous Dysplasia and Chondromalacia. Among its related pathways are Degradation of the extracellular matrix and Cytoskeletal Signaling. The protein encoded by this gene is a major structural 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.
Molecular Weight:	34.3 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
UniProt:	P21815

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human BSP11 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human BSP11 is greater than 95 % as determined by SEC-HPLC.