

Cynomolgus BSP11 Protein

Cat. No. BSP-CM101



Description

Source	Recombinant Cynomolgus BSP11 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe17-Gln318.
Accession	A0A2K5UM27
Molecular Weight	The protein has a predicted MW of 34.63 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

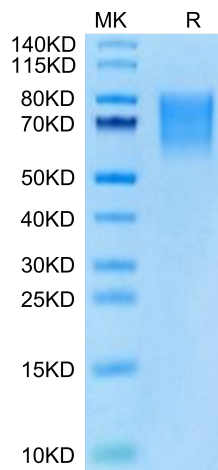
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

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.

Assay Data

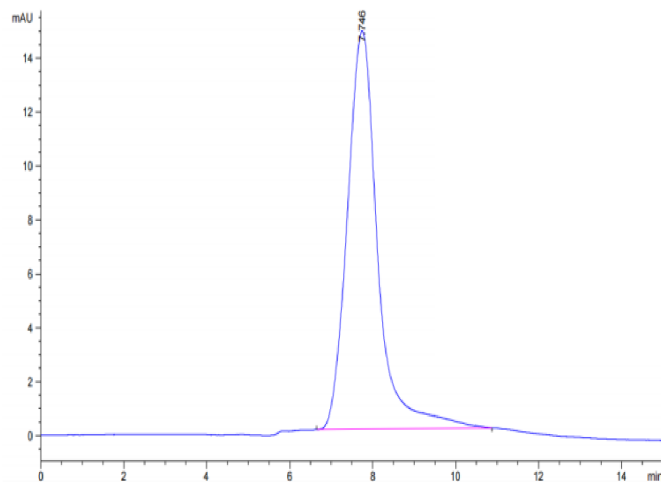
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



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