

# Human BAMBI Protein

Cat. No. BAM-HM201

## Description

<b>Source</b>	Recombinant Human BAMBI Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Glu27-Ala152.
<b>Accession</b>	Q13145
<b>Molecular Weight</b>	The protein has a predicted MW of 40.7 kDa. Due to glycosylation, the protein migrates to 49-55 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

Bone morphogenic protein and activin membrane-bound inhibitor (BAMBI) is a transmembrane protein that affects the growth, development and muscle regeneration of the body by regulating the TGF-β, BMP and Wnt signaling pathways. In brief, BAMBI may be a functional gene for the differentiation of bovine preadipocytes and myoblasts, and variations in the BAMBI genomic region, especially the combined haplotype H1H4, may benefit marker-assisted selection in cattle.

## Assay Data

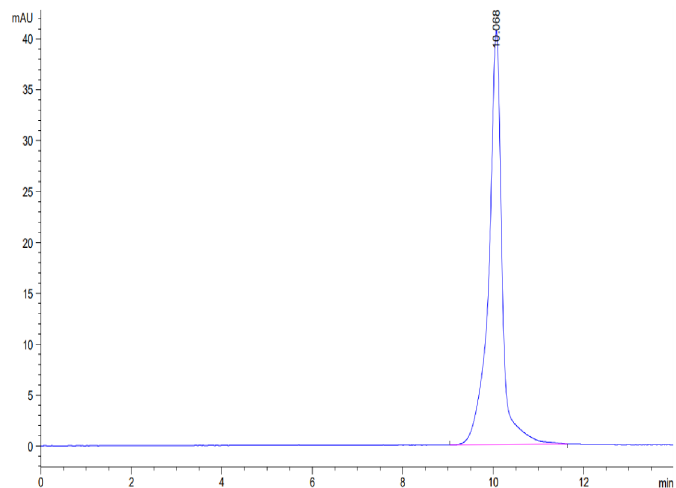
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data



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