

Mouse BAMBI Protein

Cat. No. BAM-MM201

Description

Source	Recombinant Mouse BAMBI Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Glu27-Ala152.
Accession	Q9D0L6
Molecular Weight	The protein has a predicted MW of 40.7 kDa. Due to glycosylation, the protein migrates to 49-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 μm 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 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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

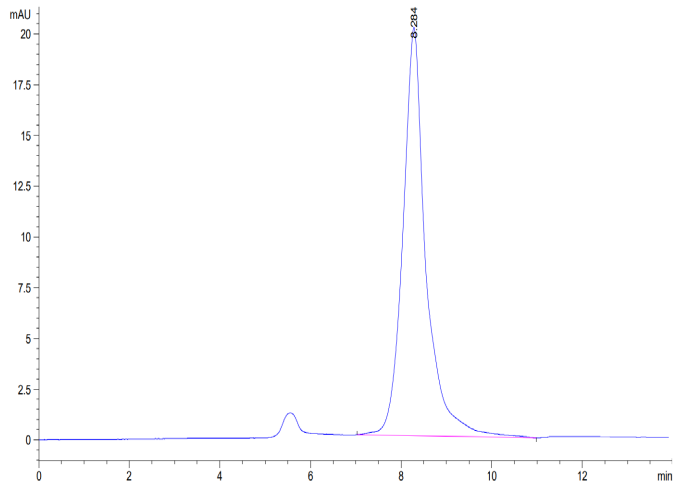
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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