

# Human BAMBI Protein

Cat. No. BAM-HM201

## Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Human BAMBI Protein is expressed from Expi293 with hFc tag at the C-terminal.<br>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 $\mu\text{g}$ by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC  |

## Formulation and Storage

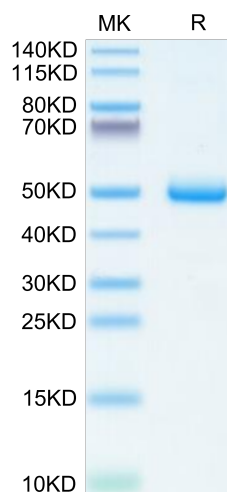
|                    |   |
|--------------------|---|
| <b>Formulation</b> | Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label. |
| <b>Storage</b>     | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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- $\beta$ , 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.

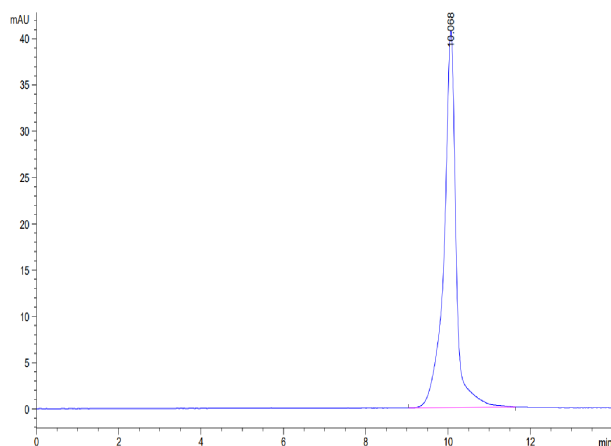
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



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