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# **Recombinant Mouse BAMBI Protein**

Catalog No.: RP02614 Recombinant

## **Sequence Information**

SpeciesGene IDSwiss ProtMouse68010Q9D0L6

**Tags** C-hFc

**Synonyms** Nma; Bambi

## **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

40.7 kDa 49-55 kDa

**Endotoxin** 

< 1 EU/µg of the protein by LAL method.

## **Formulation**

## Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

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## **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.

### **Basic Information**

#### **Description**

Recombinant Mouse BAMBI Protein is expressed from Expi293 with hFc tag at the Cterminal. It contains Glu27-Ala152.

## **Bio-Activity**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

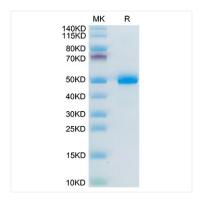
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

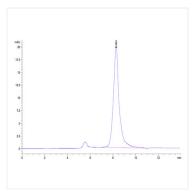
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

## **Validation Data**



Recombinant Mouse BAMBI Protein was determined by Tris-Bis PAGE under reducing conditions.



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