

## 32-7508: Recombinant Human BMP and Activin Membrane-Bound Inhibitor Homolog/BAMBI (C-6His)(Discontinued)

**Gene :** BAMBI

**Gene ID :** 25805

**Uniprot ID :** Q13145

### Description

Source: Human Cells.

MW :15.57kD.

Recombinant Human BAMBI is produced by our Mammalian expression system and the target gene encoding Val21-Ala152 is expressed with a 6His tag at the C-terminus. BMP and Activin Membrane-Bound Inhibitor Homolog (BAMBI) is a single-pass type I membrane protein that belongs to the BAMBI family. BAMBI is highly expression in kidney medulla, placenta and spleen. BAMBI is induced by BMP signaling through the evolutionary conserved BMP-responsive elements in its promoter. BAMBI plays important roles in signal transduction in many developmental and pathological processes. BAMBI transcription is activated by Wnt/beta-catenin signaling then its expression is aberrantly elevated in most colorectal carcinomas. BAMBI stably associates with TGF- beta-family receptors and inhibits BMP and activin as well as TGF- beta signalling. BAMBI negatively regulates TGF- beta-family signalling by a regulatory mechanism involving the interaction of signalling receptors with a pseudoreceptor.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** VLLTKGEIRCYCDAAHC VATGYMCKSELSACFSRLDLPQNSNSPLTHGCLDSLASTTDICQAKQAR  
NHSGTTIPTLECCHEDMCNYRGLHDVLSPPRGEASGQGNRYQHDGSRNLITKVQELTSSKELWFR  
AVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.