

## Recombinant Human BAMBI protein, T7/His-tagged

**Cat. No.** BAMBI-75H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human BAMBI cDNA (21 – 152 aa) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 21-152 a.a.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | 1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MASMTGGGQMGRGHHHHHHENLYFQGGEFVLLTKGEIRCYCDAAHCVATGYMCK<br>SELSACFSRLDPQNSNSPLT HGCLDSLASTTDICQAKQARNHSGTTIPTLECCHED<br>MCNYRGLHDVLSPPRGEASGQGNRYQHDGSRNLITKVQE LTSSKELWFRA                                                                                                                                                                                                       |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | 1. May be used for in vitro BAMBI protein mediated Wnt / b-catenin pathway regulation for either adipocytes or hepatocytes differentiation study with this protein as either coating matrix protein or soluble factor.2. May be used for BAMBI protein-protein interaction assay.3. As enzymatic substrate for various proteases.4. As antigen for specific antibody production. |
| <b>Storage</b>          | Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at                                                                                                                                                                                                                                                                                            |

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least 30 days.

## GENE INFORMATION

|                            |                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | BAMBI BMP and activin membrane-bound inhibitor homolog (Xenopus laevis) [ Homo sapiens ]                                                                                                            |
| <b>Official Symbol</b>     | BAMBI                                                                                                                                                                                               |
| <b>Synonyms</b>            | BAMBI; BMP and activin membrane-bound inhibitor homolog (Xenopus laevis); BMP and activin membrane-bound inhibitor homolog; NMA; non-metastatic gene A protein; putative transmembrane protein NMA; |
| <b>Gene ID</b>             | 25805                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_012342                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_036474                                                                                                                                                                                           |
| <b>MIM</b>                 | 604444                                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q13145                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 10p12.3-p11.2                                                                                                                                                                                       |
| <b>Pathway</b>             | BMP receptor signaling, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta receptor signaling, organism-specific biosystem;                             |
| <b>Function</b>            | frizzled binding; type II transforming growth factor beta receptor binding;                                                                                                                         |

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