

## Recombinant Mouse Inhba protein, His-tagged

**Cat. No.** Inhba-248M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Mouse Inhba fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>Activins are homodimers or heterodimers of the different <math>\beta</math> subunit isoforms, part of the TGF<math>\beta</math> family. Mature Activin A has two 116 amino acids residues <math>\beta</math>A subunits (<math>\beta</math>A-<math>\beta</math>A). Activin displays an extensive variety of biological activities, including mesoderm induction, neural cell differentiation, bone remodelling, haematopoiesis, and reproductive physiology. Activins takes part in the production and regulation of hormones such as FSH, LH, GnRH and ACTH. Cells that are identified to express Activin A include fibroblasts, endothelial cells, hepatocytes, vascular smooth muscle cells, macrophages, keratinocytes, osteoclasts, bone marrow monocytes, prostatic epithelium, neurons, chondrocytes, osteoblasts, Leydig cells, Sertoli cells, and ovarian granulosa cells.</p> |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store at -70 centigrade. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### GENE INFORMATION

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| <b>Gene Name</b>           | Inhba inhibin beta-A [ Mus musculus ]                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>     | Inhba                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>            | INHBA; inhibin beta-A; inhibin beta A chain; activin beta-A chain;                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene ID</b>             | 16323                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_008380                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_032406                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | Q04998                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 13 A1; 13 5.85 cM                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; |
| <b>Function</b>            | cytokine activity; follistatin binding; growth factor activity; hormone activity; identical protein binding; protein heterodimerization activity; receptor binding; type II activin receptor binding;                                                                                                                                                                                                                      |