

# Mouse Activin A / INHBA (His Tag) recombinant protein



Catalog Number: 500709

## General Information

### Gene Name Synonym

Activin beta-A chain

### Protein Construction

A DNA sequence encoding the pro form of mouse INHBA (NP\_032406.1) (Met 1-Ser 424) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human ACVR2B (Cat:503817) at 10 µg/mL (100 µl/well) can bind biotinylated mouse INHBA-His (Cat:500709), The  $EC_{50}$  of biotinylated mouse INHBA-His (Cat:500709) is 0.161 µg/mL.
3. Immobilized mouse INHBA-his at 10 µg/mL (100 µl/well) can bind human Follistatin Protein, The  $EC_{50}$  of human Follistatin Protein is 0.39 µg/mL.

### Purity

> 88 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Ser 21

## Molecular Mass

The secreted recombinant mouse INHBA comprises 415 amino acids and has a calculated molecular mass of 46.5 kDa. As a result of glycosylation, the apparent molecular mass of rmINHBA is approximately 18 & 43 kDa corresponding to the mature inhibin beta A chain and the pro domain respectively in SDS-PAGE under reducing conditions.

## Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

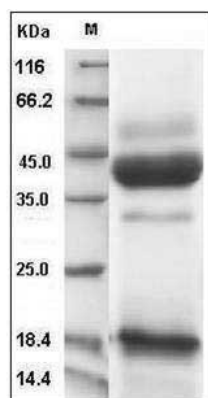
## SDS-PAGE

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Mouse Inhibin beta A / INHBA / Activin A Protein  
(His Tag) SDS-PAGE