

Active Recombinant Mouse Inhba protein, His-tagged

Cat. No. Inhba-4069M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Inhba protein(NP_032406.1)(Met1-Ser424), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ser424
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Immobilized human ACVR2B at 10 µg/mL (100 µl/well) can bind biotinylated mouse INHBA-His, The EC50 of biotinylated mouse INHBA-His is 0.161 µg/mL.2. Immobilized mouse INHBA-his at 10 µg/mL (100 µl/well) can bind human Follistatin Protein, The EC50 of human Follistatin Protein is 0.39 µg/mL.3. Measured by its ability to inhibit proliferation of MPC-11 cells. The ED50 for this effect is typically 0.8-4 µg/mL.
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 rmlNHBA is approximately 18 & 43 kDa corresponding to the

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	mature inhibin beta A chain and the pro domain respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 88 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Inhba inhibin beta-A [<i>Mus musculus</i>]
Official Symbol	Inhba
Synonyms	INHBA; inhibin beta-A; inhibin beta A chain; activin beta-A chain;
Gene ID	16323
mRNA Refseq	NM_008380
Protein Refseq	NP_032406

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