

Active Recombinant Mouse Inhbb Protein (Gly297-Ala411), C-His tagged, Animal-free, Carrier-free

Cat. No. Inhbb-64M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Inhbb Protein (Gly297-Ala411) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Gly297-Ala411
Description	Activin B is the cytokine of the TGF beta family, which is a 12.9 kDa protein containing 116 amino acid residues. Activin B has the wide variety of biological function including stem cell differentiation, inflammation, bone remodeling and neural development. It also has a role in regulation of FSH secretion. Activin B induces the phosphorylation of Smad which binds the smad binding element.
Form	Lyophilized
Bio-activity	Measure by its ability to induce hemoglobin expression in K562 cells. The ED50 for this effect is < 1 ng/mL.
Molecular Mass	The protein has a calculated MW of 13.71 kDa. The protein migrates about 12 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

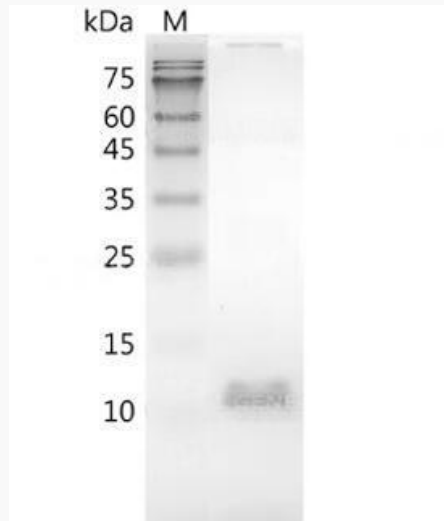
Gene Name	Inhbb inhibin beta-B [<i>Mus musculus</i> (house mouse)]
Official Symbol	Inhbb
Synonyms	INHBB; inhibin beta-B; inhibin beta B chain; activin beta-B chain;
Gene ID	16324
mRNA Refseq	NM_008381
Protein Refseq	NP_032407
UniProt ID	Q04999

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**SDS-PAGE analysis
of recombinant
mouse Activin B.**



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