

Active Recombinant Human INHBB Protein (Gly293-Ala407), C-His tagged, Animal-free, Carrier-free

Cat. No. INHBB-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INHBB Protein (Gly293-Ala407) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gly293-Ala407
Description	Activin B is the cytokine of the TGF-beta family, which is a 13 kDa protein containing 115 amino acid residues. Activin B has the wide variety of biological function including stem cell differentiation, inflammation, bone remodeling and neural development. They also have 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 < 0.7 ng/mL. The specific activity of recombinant human Activin B is > 1.5×10^6 IU/mg.
Molecular Mass	The protein has a calculated MW of 13.75 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% 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 H ₂ O 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 [Homo sapiens (human)]
Official Symbol	INHBB
Synonyms	INHBB; inhibin, beta B; inhibin, beta B (activin AB beta polypeptide); inhibin beta B chain; Inhibin, beta-2; activin beta-B chain; activin AB beta polypeptide; MGC157939;
Gene ID	3625
mRNA Refseq	NM_002193

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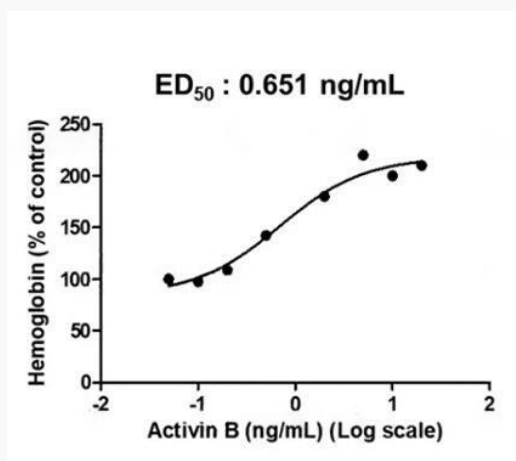
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Protein Refseq NP_002184

MIM 147390

UniProt ID P09529

Activity



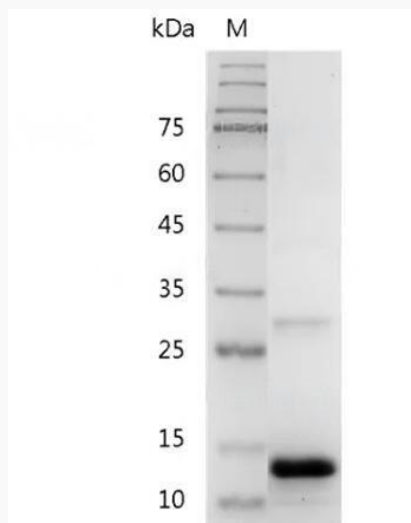
Human Activin B, His Tag, E. coli (LDG064PHE) induced hemoglobin expression in K562 cells, with the ED50 at 0.651 ng/mL.

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



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