

Active Recombinant Human INHBA/INHBB protein

Cat. No. INHBA/INHBB-33H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Activin beta A(Gly311 - Ser426)/Human Activin beta B(Gly293 - Ala407) was coexpressed in CHO.
Species	Human
Source	CHO
ProteinLength	311-426;293-407 a.a.
Predicted N Terminal	Gly311(beta A subunit) & Gly293 (beta B subunit)
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cells. Schwall, R.H. et al. (1991) Method Enzymol. 198:340. The ED50 for this effect is typically 0.2-1.2 ng/mL.
Molecular Mass	Predicted Molecular Mass: 12.8 (beta A subunit) and 13 (beta B subunit) kDa;SDS-PAGE: 14 kDa, reducing conditions.
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 50 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name [INHBA inhibin, beta A \[Homo sapiens \]](#)

Official Symbol [INHBA](#)

Synonyms INHBA; inhibin, beta A; inhibin, beta A (activin A, activin AB alpha polypeptide); inhibin beta A chain; Inhibin, beta-1; activin beta-A chain; FSH-releasing protein; erythroid differentiation factor; erythroid differentiation protein; follicle-stimulating hormone-releasing protein; EDF; FRP;

Gene ID [3624](#)

mRNA Refseq [NM_002192](#)

Protein Refseq [NP_002183](#)

MIM [147290](#)

UniProt ID [P08476](#)

Chromosome Location 7p15-p13

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Pathway

ALK1 signaling events, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem

Function

cytokine activity; follistatin binding; growth factor activity; hormone activity; identical protein binding; protein binding; protein heterodimerization activity; type II activin receptor binding;

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