

## Recombinant Human INHBA

Cat. No. INHBA-64H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human Inhibin Beta A was expressed in Yeast.

**Species** Human

**Source** Yeast

**Description** INHBA is a subunit of both activin and inhibin, two closely related glycoproteins with opposing biological effects. The inhibin beta A subunit joins the alpha subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumor-suppressor activity. Serum levels of inhibin have been shown to reflect the size of granulosa-cell tumors and can therefore be used as a marker for primary as well as recurrent disease. Because expression in gonadal and various extragonadal tissues may vary severalfold in a tissue-specific fashion. The beta A subunit forms a homodimer, activin A, and also joins with a beta B subunit to form a heterodimer, activin AB, both of which stimulate FSH secretion.

**Form** Lyophilized from sterile 20mM PB, 240mM NaCl, PH6.0.

**Molecular Mass** 14.5kDa

**Endotoxin** < 1.0 eu per µg of the protein as determined by the LAL method.

**Purity** >95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	Western blotting, ELISA
<b>Storage</b>	Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -80°C.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	INHBA inhibin, beta A [ Homo sapiens ]
<b>Official Symbol</b>	INHBA
<b>Synonyms</b>	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;
<b>Gene ID</b>	3624
<b>mRNA Refseq</b>	NM_002192
<b>Protein Refseq</b>	NP_002183
<b>MIM</b>	147290
<b>UniProt ID</b>	P08476
<b>Chromosome Location</b>	7p15-p13
<b>Pathway</b>	ALK1 signaling events, organism-specific biosystem; Cytokine-cytokine receptor

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interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peptide hormone biosynthesis, 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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