

Recombinant Human Activin-B

Cat. No. Activin-B-3122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Activin-B
Species	Human
Source	Nicotiana Benthamiana
ProteinLength	407
Description	<p>The inhibin beta B 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 tumour-suppressor activity. In addition, 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, it is proposed that inhibin may be both a growth/differentiation factor and a hormone. Furthermore, the beta B subunit forms a homodimer, activin B, and also joins with the beta A subunit to form a heterodimer, activin AB, both of which stimulate FSH secretion.</p>
Form	Lyophilized
Molecular Mass	45,122 Da
Purity	>97% by SDS-PAGE gel

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Notes Small volumes of Activin-B recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage This lyophilized preparation is stable at 2-8 degree C for short term, long storage it should be kept at -20 degree C. Reconstituted protein should be stored in working aliquots at -20 degree C and it is recommended to add a carrier protein (0.1% HSA or BSA). Repeated freezing and thawing is not recommended.

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [INHBB inhibin, beta B \[Homo sapiens \]](#)

Official Symbol INHBB

Synonyms INHBB; inhibin beta B chain; Inhibin, beta-2; activin beta-B chain; activin AB beta polypeptide

Gene ID [3625](#)

mRNA Refseq [NM_002193](#)

Protein Refseq [NP_002184](#)

MIM [147390](#)

UniProt ID [P09529](#)

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Chromosome Location	2cen-q13
Pathway	AGE/RAGE pathway, organism-specific biosystem; Antagonism of Activin by Follistatin, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem
Function	cytokine activity; growth factor activity; hormone activity

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