

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	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.
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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