

Recombinant Active Human INHBB Protein, His-tagged(C-ter)

Cat. No. INHBB-222H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human INHBB Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
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. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined 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 x 10 ⁶ IU/mg.
AA Sequence	MGLECDGRTNLCCRQFFIDFRLIGWNDWIIAPTGYGNYCEGSCPAYLAGVPGSA

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	SSFHTAVVNQYRMRLNPGTVNSCCIPTKLSTMSMLYFDDEYNIVKRDVPNMIVEEC GCA
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

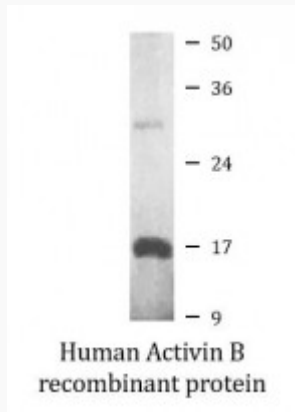
GENE INFORMATION

Gene Name	INHBB inhibin, beta B [Homo sapiens]
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;

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Gene ID	3625
mRNA Refseq	NM_002193
Protein Refseq	NP_002184
MIM	147390
UniProt ID	P09529
SDS-PAGE	 Human Activin B recombinant protein