

Recombinant Full Length Human INHBA Protein, GST-tagged

Cat. No. INHBA-5889HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human INHBA full-length ORF (AAH07858.1, 1 a.a. - 426 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	426 amino acids
Description	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. 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 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. Finally, it has been shown that the beta A subunit mRNA is identical to the erythroid differentiation factor subunit mRNA and that only one gene for this mRNA exists in the human genome. [provided by RefSeq
Molecular Mass	72.60 kDa
AA Sequence	MPLLWLRGFLASCWIIVRSSPTPGSEGHS AAPDCPSCALAALPKDVPNSQPEMVE

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AVKKHILNMLHLKKRPDVTQVPVKAALLNAIRKLHVGVGKVGNGYVEIEDDIGRRAEM
NELMEQTSEIITFAESGTARKTLHFEISKEGSDLSVVERAEVWFLKVPKANRTRTKV
TIRLFQQQKHPQGSLDTGEEAEEVGLKGERSELLLSEKVVDARKSTWHVFPVSSSIQ
RLLDQGKSSLDVRIACEQCQESGASLVLLGKKKKKEEGEGKKKGGGEGGAGADE
EKEQSHRPFLMLQARQSEDHPHRRRRRGLECDGKVNICKKKQFFVSFKDIGWNDW
IAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKL
RPMMLYYDDGQNIKKDIQNMIVEECGCS

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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mRNA Refseq	NM_002192
Protein Refseq	NP_002183
MIM	147290
UniProt ID	P08476

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