

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	<p>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</p>
Molecular Mass	72.60 kDa
AA Sequence	MPLLWLRGFLASCWIIVRSSPTPGSEGHSAAAPDCPSCALAALPKDVPNSQPPEMVE

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AVKKHILNMLHLKKRPDVTQPVPKAALLNAIRKLHVGVKVGGENGYVEIEDDIGRRAEM
 NELMEQTSEIITFAESGTARKTLHFEISKEGSDLSVVERAEVWFLKVPKANRTRTKV
 TIRLFQQQKHPQGS�DTGEEAEEVGLKGERSELLSEKVVVDARKSTWHVFPVSSSIQ
 RLLDQKGSSLDVRIACEQCQESGASLVLLGKKKKKEEGEGKKKGGGEGGAGADE
 EKEQSHRPFLMLQARQSEDHPHRRRRRGLCDGKVNICCKKQFFVSFKDIGWNDW
 IAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKL
 RPMSMLYYDDGQNIKKDIQNMIVEECGCS

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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Notes	Best use within three months from the date of receipt of this protein.
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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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GENE INFORMATION

Gene Name	INHBA inhibin, beta A [Homo sapiens]
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Official Symbol	INHBA
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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;
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Gene ID	3624
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mRNA Refseq	NM_002192
Protein Refseq	NP_002183
MIM	147290
UniProt ID	P08476

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