

Recombinant Human INHBA Protein

Cat. No. INHBA-552H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human INHBA protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	426
Description	This gene encodes a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate a subunit of the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. The encoded protein also plays a role in eye, tooth and testis development. Elevated expression of this gene may be associated with cancer cachexia in human patients.
Form	Lyophilized
Molecular Mass	13 kDa (mature-form) & 32 kDa (pro-form)
AA Sequence	MPLLWLRGFLASCWIIVRSSPTPGSEGHS AAPDCPSCALAALPKDVPNSQPEMVE AVKKHILNMLHLKKRPDVTQVPVKAALLNAIRKLHVGKVGENG YVEIEDDIGRRAEM NELMEQTSEIITFAESGTARKTLHFEISKEGSDLSVVERAEVWLFLKVPKANRTRTKV TIRLFQQQKHPQGSLDTGEEAAEEVGLKGERSELLLSEKVVDARKSTWHVFPVSSSIQ RLLDQGKSSLDVRIACEQCQESGASLVLLGKKKKKKEEGEGKKKGGGEGGAGADE

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EKEQSHRPFLMLQARQSEDHPHRRRRRGLECDGKVNICKKQFFVSFKDIGWNDW
 IIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKL
 RPMSMLYYDDGQNIKKDIQNMIVEECGCS

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).
 After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5)

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name INHBA inhibin, beta A [Homo sapiens (human)]

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;

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erythroid differentiation factor; erythroid differentiation protein; follicle-stimulating hormone-releasing protein; EDF; FRP;

Gene ID 3624

mRNA Refseq NM_002192

Protein Refseq NP_002183

MIM 147290

UniProt ID P08476

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