

Recombinant Human INHA/INHBA protein, His-tagged

Cat. No. INHA/INHBA-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Inhibin-Alpha Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing 264 amino acids comprising of both A and B chains, having a molecular mass of 33.5 kDa. The Inhibin-Alpha is fused with an amino-terminal hexahistidine tag.
Species	Human
Source	E.coli
Protein Length	Alpha chain: 233-366 aa Beta Chain: 293-406 aa
Description	Inhibins are dimeric peptide hormones produced by female ovarian granulosa cells and male Sertoli cells as well as a variety of other tissues. Inhibins have two isoforms, A and B, with the same alpha subunit but different beta subunits. Inhibin A is a dimer of alpha and beta A subunits, inhibin B is a dimer of alpha and beta B subunits. Inhibins are thought to inhibit the production of follicle-stimulating hormone (FSH) by the pituitary gland. In addition, Inhibins are also thought to play a role in the control of gametogenesis, and embryonic and fetal development.
Form	Inhibin-A alpha chain is supplied in 1x PBS and 50% glycerol.
Molecular Mass	33.5 kDa
AA Sequence	Alpha chain: STPLMSWPWSPSALRLLQRPPEEPAAHANCHRVALNISFQELGWERW IVYPPSFIFHYCHGGCGLHIP PNLSLPVPGAPPTPAQPYSLLPGAQPCCAALPGTMR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PLHVRTTSDGGYSFKYETVPNLLTQHCACI.Beta Chain:GLECDGKVNICCKKQFFVS
FKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFAN
LKSCCVPTKLRPMSMLYYDDGQNIKKDIQNMIVEECGCS.

Purity Greater than 95.0% as determined by SDS-PAGE analysis.

Storage Store at 4 centigrade if entire vial will be used within 2-4 weeks.Store, frozen at -20 centigrade for longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

Gene Name [INHA inhibin, alpha \[Homo sapiens \]](#)

Official Symbol [INHA](#)

Synonyms INHA; inhibin, alpha; inhibin alpha chain; A-inhibin subunit;

Gene ID [3623](#)

mRNA Refseq [NM_002191](#)

Protein Refseq [NP_002182](#)

MIM [147380](#)

UniProt ID [P05111](#)

Chromosome Location 2q33-qter

Pathway Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem;

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Ovarian Infertility Genes, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem;

Function

cytokine activity; growth factor activity; hormone activity; inhibin beta-A binding; protein binding; contributes_to protein binding; protein heterodimerization activity; receptor binding;

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