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
ProteinLength	Alpha chain: 233-366 aa Beta Chain: 293-406 aa
Description	Inhibins are dimeric peptide hormones produced by female ovarian granulose 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

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	PLHVRTTSDGGYSFKYETVPNLLTQHCACI.Beta Chain:GLECDGKVNICCKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKLRPMSMLYYDDGQNIIKKDIQNMIVEECGCS.
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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