

## Inhibin a Human

**Description:** 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. The Inhibin-Alpha is purified by standard chromatographic techniques.

**Catalog #:** HOPS-310

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** Alpha

chain: STPLMSWPWSPSALRLLQRPPEEPAAHANCHRVALNISFQELGWERWIVYPPSFIFHYCH  
GGCGLHIP

PNLSLPVPGAPPTPAQPYSLLPGAQPCCAALPGTMRPLHVRTTSDGGYSFKYETVPNLLTQHCA  
CI. Beta

Chain: GLECDGKVNICKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHST  
VINHYRMRGHSPFANLKSCCVPTKLRPMSMLYYDD

**Purity:** Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Inhibin-A alpha chain is supplied in 1x PBS and 50% glycerol.

**Stability:**

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

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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