

Recombinant human Inhibin A protein

Catalog Number: ATGP1898

PRODUCT INFORMATION

Expression system

E.coli

Domain

233-366aa

UniProt No.

P05111

NCBI Accession No.

NP_002182

Alternative Names

inhibin alpha chain, A inhibin subunit precursor, IHA

PRODUCT SPECIFICATION

Molecular Weight

17 kDa (155aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

INH A, also known as Inhibin alpha, belongs to the TGF-beta family. Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. The inhibin alpha subunit joins either the beta A or beta B subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumour-suppressor activity. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic

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axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins. Recombinant human INHA protein, fused to His-tag at N-terminus, was expressed in *E. coli*.

Amino acid Sequence

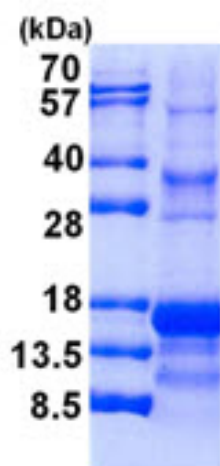
MGSSHHHHHH SGLVPRGSH MSTPLMSWPW SPSALRLLQR PPEEPAAHAN CHRVALNISF QELGWERWIV YPPSFIFHYC
HGGCGLHIPP NLSLPVPGAP PTPAQPYSL PGAQPCCAAL PGTMRPLHVR TTSDGGYSFK YETVPNLLTQ HCACI

General References

Knight, P.G. (1996) *Front. Neuroendocrinol.* 17: 476-509.
Mather, J.P., et al. (1997). *Proc. Soc. Exp. Biol. Med.* 215: 209-222.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)