

# Recombinant human Activin A protein

Catalog Number: ATGP2979

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

311-426aa

### UniProt No.

P08476

### NCBI Accession No.

NP\_002183

### Alternative Names

Inhibin beta A chain, EDF, FRP

## PRODUCT SPECIFICATION

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### Molecular Weight

15.2 kDa (137aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 90% 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

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### Description

INHBA also known as inhibin beta A chain. The inhibin beta A subunit joins the alpha subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumor-suppressor activity. In addition, serum levels of inhibin have been shown to reflect the size of granulosa-cell tumors and can therefore be used as a marker for primary as well as recurrent disease. Recombinant human INHBA, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>GLECDGKVN ICCKKQFFVS FKDIGWNDWI IAPSGYHANY CEGECPSHIA  
GTSGSSLSFH STVINHYRMR GHSPFANLKS CCVPTKLRPM SMLYDDGQN IIKKDIQNMI VEECGCS

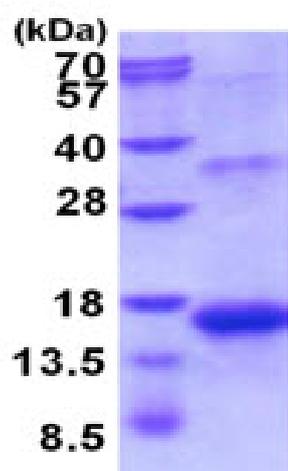
## General References

Antsiferova M., et al. (2013) J. Immunol. 191 (12), 6147-6155  
Woeckel VJ., et al. (2013) J. Cell. Physiol. 228 (11), 2167-2174

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)