

# Recombinant Human/Mouse/Rat mature Activin A/INHBA Protein

Catalog No.: RP01782S **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3624	P08476

### Tags

N-His

### Synonyms

EDF; FRP; INHBA; Activin A

## Background

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. Because expression in gonadal and various extragonadal tissues may vary severalfold in a tissue-specific fashion, it is proposed that inhibin may be both a growth/differentiation factor and a hormone. Furthermore, the beta A subunit forms a homodimer, activin A, and also joins with a beta B subunit to form a heterodimer, activin AB, both of which stimulate FSH secretion. Finally, it has been shown that the beta A subunit mRNA is identical to the erythroid differentiation factor subunit mRNA and that only one gene for this mRNA exists in the human genome.

## Product Information

### Source Purification

CHO Cells

### Endotoxin

< 0.01 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Basic Information

### Description

Recombinant Human/Mouse/Rat mature Activin A/INHBA Protein is produced by CHO cells expression system. The target protein is expressed with sequence (Gly311-Ser426) of Human/Mouse/Rat mature Activin A/INHBA (Accession #NP\_002183.1) fused with a His tag at the N-terminus.

### Bio-Activity

### Storage

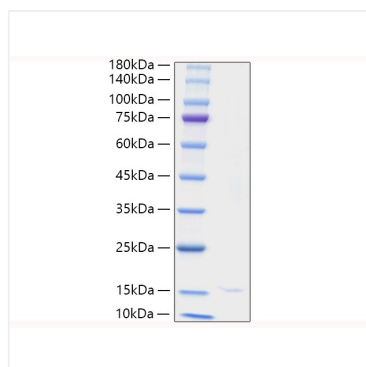
Store the lyophilized protein at -20°C to -80°C for 12 months.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

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## Validation Data

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Recombinant Human/Mouse/Rat mature Activin A/INHBA Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15 kDa.