

## General Information

### Gene Name Synonym

Activin beta-A chain; Erythroid differentiation protein; EDF

### Protein Construction

A DNA sequence encoding mature form of human INHBA (NP\_002183.1) (Gly311-Ser426) was expressed. The mature form sequences of the human, mouse, rat, cynomolgus and rhesus INHBA are identical.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit proliferation of MPC-11 cells. The ED<sub>50</sub> for this effect is 4-16ng/mL.

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

His

### Molecular Mass

The recombinant human INHBA consists of 116 amino acids and predicts a molecular mass of 13 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

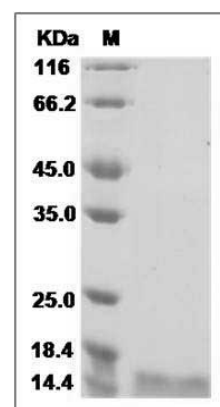
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human / Mouse / Rat / Cynomolgus / Rhesus  
Activin A / INHBA Protein