

## Activin-B Human Recombinant Protein

Catalog Number: PROTP09529-1

### 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.

### Overview

|              |                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name | Activin-B Human Recombinant Protein                                                                                                                                                                                                                                                                                                                                                               |
| Description  | Activin B human Recombinant produced in Nicotiana benthamiana plant is a beta-B single chain (aa 293-406) containing 123 amino acids (molecular formula C <sub>615</sub> H <sub>910</sub> N <sub>178</sub> O <sub>177</sub> S <sub>12</sub> ). Activin B is fused to a 10-His-tag at the N-terminal having the total molecular mass of 14kDa and purified by standard chromatographic techniques. |
| Size         | 2ug, 10ug, 1mg                                                                                                                                                                                                                                                                                                                                                                                    |
| Tag          |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form         | Sterile Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                                                                                                                                                         |
| Source       | Nicotiana benthamiana plant                                                                                                                                                                                                                                                                                                                                                                       |
| Formulation  | Lyophilized from 1mg/ml solution in 0.05M Tris-HCl buffer pH 7.4.                                                                                                                                                                                                                                                                                                                                 |

### Concentration

### Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

### Purity

Greater than 97.0% as determined by Analysis by SDS-PAGE.

### Amino Acid Sequence

HHHHHHHHHHH GLECDGRTNL CCRQQFFIDF RLIGWNDWII APTGYYGNYC EGSCPAYLAG VPGSASSFHT AVVNQYRMRG LNPGTVNSCC

IPTKLSTMSM LYFDDEYNIV KRDVPNMIVE ECG [?/description\\_after\\_attributes?](#)

## Usage

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