



# AVISCERA BIOSCIENCE

## Human Active Transforming Growth Factor- $\beta$ 1 (TGF- $\beta$ 1) Recombinant

### Product Information

Code	00033-09-50
Name	TGF- $\beta$ 1 (Human).
Lot No.	
Size	50 $\mu$ g
Species	Human
Sequence	Ala279-Ser390
Protein ID	NP_00651
Gene ID	NM_00660
MW	13 KD (reduced) 26.2 KD (No-reduced)
Tag	His tag on C terminus
Source	293 cells
Purity	>95% in SDS-PAGE gel
Formulation	lyophilized Form without preservatives
Carry	free
Storage	-70° C
Reconstitution	500 $\mu$ l
Application	Cell biology

### Description

A DNA sequence encoding the Active Form of human TGF- $\beta$ 1 (Ala279-Ser390) was expressed and purified by HPLC. The secreted recombinant human TGF- $\beta$ 1 generated after removal of the signal peptide and pro peptide comprises 112 amino acids with a predicted molecular mass of 12.8 kDa. As a result of monomer or homodimer, it migrates as an approximately 13 kDa in SDS-PAGE under reducing conditions or 26.2 KD under no-reducing condition.

### Bioactivity

The ED<sub>50</sub>: 0.04-0.2 ng/ml

### Endotoxin

<0.15EU/mg protein (LAL method).

### Formulation

Lyophilized 50  $\mu$ g of human TGF- $\beta$ 1 in sterile 0.1% TFA, 40% Ictonitrile, 1% isopropanol.

### Reconstitution & Storage

Add 500  $\mu$ l deionized water to the vial to prepare a working stock solution at 100  $\mu$ g/mL . mix well.

Store lyophilized protein at -70 °C. Lyophilized protein is stable for up to 12 months from date of receipt at -70 °C. Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

**Sequence:** Human TGF- $\beta$ 1

### ORDER INFORMATION

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