



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Transforming Growth Factor-Beta 1, His Tag, human recombinant (rHuTGF-beta1-His)

**Catalog No:** 97286  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1, TGFB1

### Background

Transforming growth factor betas (TGFbetas) mediate many cell-cell interactions that occur during embryonic development. Three TGFbetas have been identified in mammals. TGFbeta1, TGFbeta2 and TGFbeta3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule. TGF-b 1 regulates the actions of numerous other growth factors involved in a variety of human diseases including renal disease, hepatic disease, heart failure and cardiomyopathies.

### Description

TGF-b1 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 112 amino acids (279-390) having a molecular weight of 17.3 kDa. TGF-b 1 is fused with a 4.5 kDa N-terminal hexahistidine tag and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered clear solution.

### Formulation

TGF-b 1 His Tag protein is supplied in 25 mM sodium acetate pH 4.8 and 50% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**