



# SZABO SCANDIC

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## Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Transforming Growth Factor-Beta 3, HEK, human recombinant (rHuTGF-b3-HEK)

**Catalog No:** 97575  
**Lot No:** XXXXX  
**Source:** HEK293  
**Synonyms:** Transforming Growth Factor-beta3, TGFB3, ARVD, FLJ16571, TGF-beta3

### Background

Transforming growth factor betas (TGF Betas) mediate many cell-cell interactions that occur during embryonic development. Three TGF Betas have been identified in mammals. TGF Beta 1, TGF Beta 2 and TGF Beta 3 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.

### Description

TGF-b3 human recombinant produced in HEK293 cells is a non-glycosylated homodimer, having a total molecular weight of 25 kDa. TGF-b 3 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

TGF-b 3 was lyophilized from 1 mg/ml in 1xPBS.

### Solubility

It is recommended to reconstitute the lyophilized TGFB3 in sterile 4 mM HCl containing 0.1% endotoxin-free recombinant HSA.

### Stability

Lyophilized TGF-b 3, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-b 3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95% as observed by SDS-PAGE.

### Activity

The specific activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2) and is typically 0.1 - 0.5 ng/ml.

### Usage

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