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## Product Data Sheet

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Product Name: TGFB3 Human, HEK  
Cat. No.: GP20954  
Batch No.: 1

### Product Data

Purity	>98%	Source	HEK.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Transforming Growth Factor-beta3; TGFB3; ARVD; FLJ16571; TGF-beta3.		
Solubility	It is recommended to reconstitute the lyophilized TGF-b 3 in sterile 4mM HCl containing 0.1% endotoxin-free recombinant HSA.		
Formulation	The TGF-b3 was lyophilized from 1mg/ml in 1xPBS.		

### Introduction

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.

### Biological 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 0.1-0.5ng/ml.

### Stability

Lyophilized TGF-b3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution TGF-b3 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.

### Background

TGF-b 3 Human Recombinant produced in HEK cells is a non-glycosylated homodimer,

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having a total molecular weight of 25kDa. The TGF- $\beta$  3 is purified by proprietary chromatographic techniques.

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