

# TGF- $\beta$ -3 Transforming Growth Factor-Beta 3 Human Recombinant Protein, HEK

Catalog Number: PROTP10600

## 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.

## Overview

Product Name	TGF- $\beta$ -3 Transforming Growth Factor-Beta 3 Human Recombinant Protein, HEK
Description	TGF- $\beta$ 3 Human Recombinant produced in HEK cells is a non-glycosylated homodimer, having a total molecular weight of 25kDa. The TGF- $\beta$ 3 is purified by proprietary chromatographic techniques.
Source	HEK.
Formulation	The TGF- $\beta$ 3 was lyophilized from 1mg/ml in 1xPBS.

## Storage

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

## 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.

## Usage

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