

## TGFβ3/TGFB3, Human, Recombinant

Cat. No. : GPCK093

### 产品信息

物种	Human
表达宿主	Human Cells
序列信息	Ala301-Ser412 (Tyr340Phe)
检索号	P10600
分子量	12.7 KDa
有效期	12 months
生物活性	Measured by its ability to inhibit the IL-4-dependent proliferation of TF-1 mouse T cells. The ED50 for this effect is 10-80 pg/mL.

### 产品特性

内毒素 (EU/μg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of 50 mM Glycine-HCl, 150 mM NaCl, pH 2.5.
复溶	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

### 背景介绍

Transforming growth factor beta 3 (TGFB3) is a member of a TGF-β superfamily which is defined by their structural and functional similarities. TGFB3 is secreted as a complex with LAP. This latent form of TGFB3 becomes active upon cleavage by plasmin, matrix metalloproteases, thrombospondin-1, and a subset of integrins. It binds with high affinity to TGF-β RII, a type II serine/threonine kinase receptor. TGFB3 is involved in cell differentiation, embryogenesis and development. It is believed to regulate molecules involved in cellular adhesion and extracellular matrix (ECM) formation during the process of palate development. Without TGF-β3, mammals develop a deformity known as a cleft palate.

