TGFβ3/ TGFB3, Human, Recombinant

货号：PCK093

产品信息

别名	Transforming growth factor beta-3; TGFB3; TGF-beta-3; Latency-associated peptide; LAP
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
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

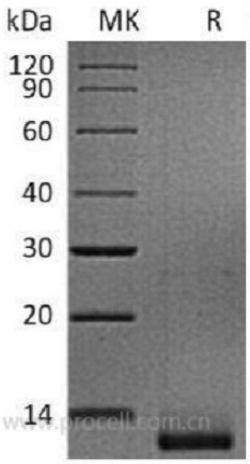
纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per μg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20℃, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20℃ for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of 50mM Glycine-HCl, 150mM NaCl, pH 2.5.

复融	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

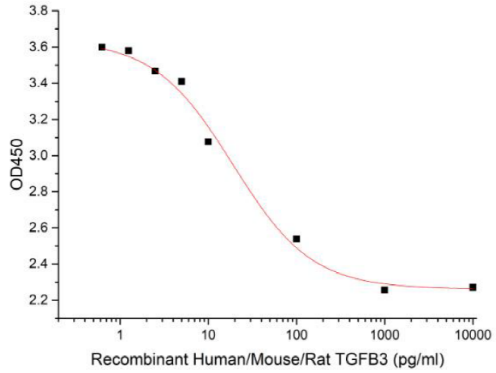
背景介绍

Transforming growth factor beta 3(TGFB3) is a member of a TGF -β superfamily which is defined by theirstructural and functional similarities. TGFB3 is secreted as a complex with LAP. This latent form of TGFB3becomes active upon cleavage by plasmin, matrix metalloproteases, thrombospondin -1, and a subset ofintegrins. It binds with high affinity to TGF- β RII, a type II serine/threonine kinase receptor. TGFB3 is involved incell differentiation, embryogenesis and development.It is believed to regulate molecules involved in cellularadhesion and extracellular matrix (ECM) formation during the process of palate development. Without TGF-β3,mammals develop a deformity known as a cleft palate.

SDS-PAGE



生物活性



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