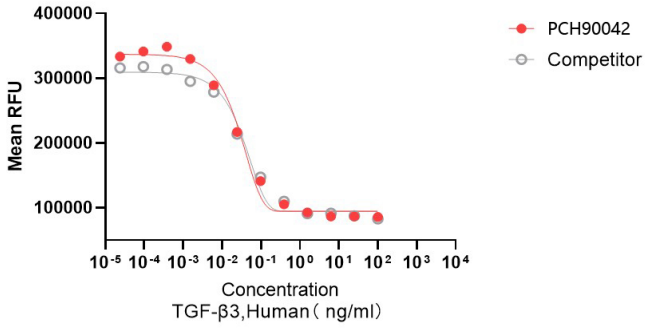
产品名称：GMP Recombinant Human TGF-β3
产品货号：PCH90042

概述（Summary）

英文全称	TGF-β3
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	≤10 EU/mg
蛋白构建（Construction）	Recombinant Human TGF-β3 is produced by our Mammalian cell expression system and the target gene encoding Ala 301-Ser 412 is expressed.
Accession #	P10600
蛋白标签（Tag）	Tag free
表达宿主（Host）	Mammalian cell
种属（Species）	Human
预测分子量（Predicted MW）	13 kDa
蛋白形态（Form）	Lyophilized
储存缓冲液（Buffer）	100 mM Glycine, 150 mM NaCl, 5% mannitol and 0.01% Tween 80, pH 4.0
运输方式（Shipping）	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	36 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	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.

活性验证图（Bioactivity image）



The ED50 for this effect is ≤0.2ng/mL.

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背景（Background）

分子别名（Alternative Names）	Transforming growth factor beta-3; TGFB3; TGF-beta-3; Latency-associated peptide; LAP
背景介绍（References）	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.

注意事项（Note）

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