
Summary

Name	TGF- β 3
Purity	Greater than 98% as determined by reducing SDS-PAGE
Endotoxin level	\leq 10 EU/mg
Construction	Recombinant Human TGF- β 3 is produced by our Mammalian cell expression system and the target gene encoding Ala 301-Ser 412 is expressed.
Accession #	P10600
Host	Human Cells
Species	Human
Predicted Molecular Mass	13 kDa
Formulation	Lyophilized From 100 mM Glycine, 150 mM NaCl, 5% mannitol and 0.01% Tween 80, pH 4.0
Shipping	The product is shipped on dry ice/polar packs.Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt.Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 μ g/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Alternative Names	Transforming growth factor beta-3; TGFB3; TGF-beta-3; Latency-associated peptide; LAP
Background	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- β 3,mammals develop a deformity known as a cleft palate.

Note

For Research Use Only , Not for Diagnostic Use.

Product Name: Recombinant Human TGF- β 3
Catalog #: PCH2539

