Datasheet for ABIN7319107

TGFB3 Protein

Go to Product page

Overview

Quantity:	50 µg
Target:	TGFB3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human TGFB3 Protein (Active)
Sequence:	Ala301-Ser412(Tyr340Phe)
Characteristics:	Recombinant Human/Mouse Transforming Growth Factor beta 3 is produced by our Mammalian expressionsystem and the target gene encoding Ala301-Ser412(Tyr340Phe) is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	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.

Target Details

Target:	TGFB3
Alternative Name:	TGFB3 (TGFB3 Products)

Target Details

Background:	Background: 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 TGFB3 becomes 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. Synonym: Transforming growth factor beta-3,TGFB3,TGF-beta-3,Latency-associated peptide,LAP
Molecular Weight:	12.7 kDa
UniProt:	P10600
Pathways:	Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response, Protein targeting to Nucleus

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 4 mM HCl.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.