TGFβ 3/TGFB3, Human, Recombinant

货号：PCK355

产品信息

别名	ARVD, ARVD1, LDS5, RNHF, TGFB3, TGF-B3
物种	Human
表达宿主	E.coli
序列信息	MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWVHEPKGYYANFCSGPC PYLRSADTTHSTVLGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQ LSNMVVKSCKCS with polyhistidine tag at the C-terminus.
检索号	P10600.1
分子量	13.66 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells.The ED50 for this effect is <50 pg/mL.The specific activity of recombinant human TGF beta 3 is > 2 x 10^7 IU/mg.

产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.1 EU per 1 μg of the protein by the LAL method.
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1%BSA,10%FBS,5%HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

复融	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.In some experiments, it recommends to add 10 mM HCl when reconstitute lyophilized protein.

背景介绍

Transforming growth factor-beta 3 (TGF-β3), also named TGFB3, is a member of the TGF beta family of growth factors together with TGF-β1 and -2. TGFB3 is produced as a complex with LAP. This latent form of TGFB3 can be stimulated 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 take part in the process such as cell differentiation, embryogenesis and development. In addition, it is found to regulate molecular elements involved in cellular adhesion and extracellular matrix (ECM) formation during the process of palate development.

SDS-PAGE