

TGF α /ETGF/TGFA, Human, Recombinant

货号：PCK283

产品信息

别名	Sarcoma growth factor, TGF-type I, ETGF, TGFA
物种	Human
表达宿主	E.coli
序列信息	MVVSHFNDPCDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLL A with polyhistidine tag at the C-terminus.
检索号	P01135.1
分子量	6.49 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is <0.2 ng/mL. The specific activity of recombinant human TGF alpha is > 5 x 10 ⁶ 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 μ g 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 μ m filtered solution containing 1X PBS, pH 8.0.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. 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 alpha (TGF- α) is a protein that in humans is encoded by the TGFA gene. TGF- α is a member of the EGF family of cytokines that are synthesized as transmembrane precursors and are characterized by the presence of one or several EGF structural units in their extracellular domain. Expression of TGF- α is widespread in tumors and transformed cells. TGF- α is also expressed in normal tissues during embryogenesis and in adult tissues, including pituitary, brain, keratinocytes, and macrophages.

SDS-PAGE

