

TGFβ 1/TGFB1, Human, Recombinant

货号：PCK354

产品信息

别名	Differentiation inhibiting factor, Cartilage-inducing factor, CED, DPD1, IBDIMDE, LAP, TGFB
物种	Human
表达宿主	E.coli
序列信息	MALDTNYCFSSTEKNCCVRLYIDFRKDLGWKWIHEPKGYHANFCLGPCP YIWSLDTQYSKVLALYNQHNP GASAAPCCVPQALEPLPIVYYVGRKPKVEQ LSNMIVRSCKCS with polyhistidine tag at the C-terminus.
检索号	P01137.2
分子量	13.7 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to inhibit the IL-4 dependent proliferation in HT-2 cells. The ED50 for this effect is <0.1 ng/mL. The specific activity of recombinant human TGF beta 1 is approximately >5 x 10 ⁷ IU/mg. Measure by its ability to induce proliferation in MCF-7 cells. The ED50 for this effect is <3.2 ng/mL.

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 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 beta 1 or TGF- β 1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines. It is a secreted protein that performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation, and apoptosis. In humans, TGF- β 1 is encoded by the TGFB1 gene.

SDS-PAGE

