

## 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 <sup>7</sup> 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- $\beta$ 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- $\beta$ 1 is encoded by the TGFB1 gene.

## SDS-PAGE

