

## TNF- $\beta$ /TNFB/ TNFSF1, Mouse, Recombinant

货号：PCK317

### 产品信息

别名	TNFSF1B, Lymphotoxin-alpha (LT- $\alpha$ ), LTalpha, Ltx, TNF-be, TNFSF1, Tnf, Tnfb, Tnfsf, Tnfsf1b, Tnlg1e, hlb38, hlb382, lymph
物种	Mouse
表达宿主	E.coli
序列信息	LSGVRFSAARTAHPLPQKHLTHGILKPA AHLVGYP SKQNSLLWRASTDRAF LRHGFSLSNNSLLIPTSGLYFVYSQVVFSGESCS PRAIPTPIYLAHEVQLFSSQ YPFHVPLLSAQKSVYPGLQGPWVRSMYQGA VFLLSKGDQLSTHTDGISHLH FSPSSVFFGAFAL with polyhistidine tag at the N-terminus.
检索号	P09225.1
分子量	19.36 kDa
标签	His-tag at the N-terminus
生物活性	Measure by its ability to induce cytotoxicity in L929 cells in the presence of vactinomycin D. The ED50 for this effect is <30 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 $\mu$ 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 $\mu$ 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.

## 背景介绍

TNF- $\beta$  works as a potential mediator in the inflammatory and immune process. It is a component of the TNF family of ligands, and signals through TNFR1 and TNFR2. TNF- $\beta$  is secreted by activated T and B lymphocytes, and has similar function to TNF- $\alpha$ . In the same manner as TNF- $\alpha$ , TNF- $\beta$  is involved in the regulation of various biological processes, including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF- $\beta$  is generally released as a soluble polypeptide. In addition, lymphotoxin- $\beta$  can anchor TNF- $\beta$  to the cell surface and form heterotrimers in an effective manner. TNF- $\beta$  is cytotoxic to a wide range of tumor cells.

## SDS-PAGE

