

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

Cat. No. : GPCK317

### 产品信息

物种	Mouse
表达宿主	E.coli
序列信息	LSGVRFSAARTAHPLPQKHLTHGILKPA AHLVGYP SKQNSLLWRASTDRAFLRHGFSLSNNSL LIPTSGLYFVYSQVVFSGESCSPTPIYLAHEVQLFSSQYPFHVPLLSAQKSVYPGLQGPW VRSMYQGAVFLLSKGDQLSTHTDGISHLHFSPSSVFFGAFAL with polyhistidine tag at the N-terminus.
检索号	P09225.1
标签	His-tag at the N-terminus
分子量	19.36 kDa
有效期	12 months
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

内毒素 (EU/ $\mu$ g)	< 0.1
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 1 $\times$ PBS, pH 8.0.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu$ 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 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.

