

TNF- β /TNFB/TNFSF1, Mouse, Recombinant

Cat. No. : PCK317

General Information

Synonyms	TNFSF1B;Lymphotoxin-alpha (LT- α);LTalpha;Ltx;TNF-be;TNFSF1;Tnf;Tnfb;Tnfsf;Tnfsf1b;Tnlg1e;h1b38;h1b382;lymph [®]
Species	Mouse
Expression host	E.coli
Sequence	LSGVRFSAARTAHPLPQKHLTHGILKPAHLVGYPQKNSLLWRASTDRAFLRHGFSLSNNSL LIPTSGLYFVYSQVVFSGESCPRAIPTPIYLAHEVQLFSSQYPFHVPLLSAQKSVYPGLQGPD VRSMYQGAVFLLSKGDQLSTHTDGISHLHFSPSSVFFGAFAL with polyhistidine tag at the N-terminus.
Accession	P09225.1
Tag	His-tag at the N-terminus
Mol mass	19.36 kDa
Expiration date	12 months
Bio activity	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.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	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.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μ m filtered solution containing 1 $\times$ PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μ g/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

TNF- β 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- β is secreted by activated T and B lymphocytes, and has similar function to TNF- α . In the same manner as TNF- α , TNF- β is involved in the regulation of various biological processes, including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF- β is generally released as a soluble polypeptide. In addition, lymphotoxin- β can anchor TNF- β to the cell surface and form heterotrimers in an effective manner. TNF- β is cytotoxic to a wide range of tumor cells.

SDS-PAGE

