

TGFβ 1/TGFB1, Human, Recombinant

Cat. No. : PCK354

General Information

Synonyms	Differentiation inhibiting factor;Cartilage-inducing factor;CED;DPD1;IBDIMDE;LAP;TGFB
Species	Human
Expression host	HEK293
Sequence	A DNA sequence encoding Human TGF beta 1 protein(# P01137) (Met1-Ser390) was expressed with polyhistidine tag at the N-terminus.
Accession	P01137
Tag	His Tag (N-term)
Mol mass	44.3 kDa
Expiration date	12 months
Bio activity	Measure by its ability to inhibit the IL-4 dependent proliferation in TF-1 cells. The ED ₅₀ for this effect is < 0.1 ng/mL.

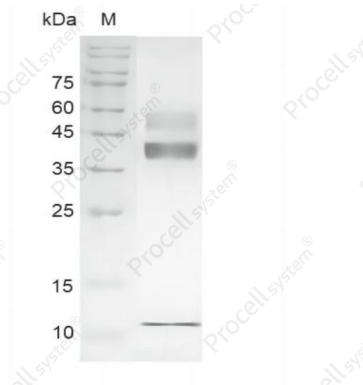
Product feature

Purity	> 95% 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 μm filtered solution of PBS, pH 7.0.
Reconstitution	Reconstitute the Lyophilized Protein in sterile 10 mM HCl to a concentration of 100-200 μg/mL. Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

The transforming Growth Factors beta (TGF beta) family of cytokines are ubiquitous, multifunctional, and essential to survival. They play the central roles in growth, development, inflammation, repair, and host immunity. The mammalian TGF beta isoforms (TGF beta 1, beta 2 and beta 3) are secreted as potential precursors and possess a variety of cell surface receptors and produces at least two mediate signal transductions.

SDS-PAGE



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