

TGFB1

Recombinant Human Transforming Growth Factor-beta 1

Catalog No.	CRT000RA	Quantity:	5 µg
	CRT000RB		50 µg
	CRT000RC		500 µg
Alternate Names:	Human TGF-beta1, TGF-beta1, TGF beta1, TGFbeta1, h-TGF-beta1, rh-TGF-beta1, recombinant human TGF-beta1, recombinant TGF-beta, TGF		
Description:	TGF- β 1 (Transforming Growth Factor-beta1) is a member of the superfamily of homologous, disulfide-linked, homodimeric proteins that regulate the proliferation and differentiation of normal and transformed cells. Human TGF-beta1 is a 25.0 kDa protein containing two identical 112 amino acid polypeptide chains linked by a single disulfide bond.		
Gene ID:	7040		
Source:	CHO cells		
Molecular Weight:	25.0 kDa		
Formulation:	Lyophilized from sodium citrate buffer, pH 3.5		
Purity:	> 98% as determined by SDS-PAGE and HPLC analyses		
Endotoxin Level:	< 0.1 ng/µg of TGFB1		
Biological Activity:	The ED ₅₀ as determined by the ability of TGF-beta1 to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells is \leq 0.05 ng/ml.		
Specific Activity:	\geq 2 \times 10 ⁷ units/mg		
Reconstitution:	Centrifuge the vial prior to opening. Reconstitution in water to a concentration of 50 µg/ml (e.g., 5 µg/100 µl) will yield a solution of 1 mM citrate buffer (pH 3.5). The solution can then be stored at 2-4°C for 1 month. It is recommended that further dilutions be made in PBS containing 2 mg/ml albumin, aliquoted, and stored at -20°C.		
Storage & Stability:	Store lyophilized protein at -20°C. Reconstituted protein should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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