

TGF-β1, human recombinant (E. Coli)

CATALOG #:	7843-10	10 µg
	7843-50	50 µg
	7843-1000	1 mg
ALTERNATE NAMES:	Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1, LAP, TGFB1.	
SOURCE:	E. Coli	
PURITY:	≥95% by SDS-PAGE and HPLC analyses.	
ENDOTOXIN LEVEL:	<0.1 ng per µg (1EU/µg)	
MOL. WEIGHT:	15.09 kDa (279 to 390 aa + NT-His Tag).	
FORM:	Lyophilized.	
FORMULATION:	Lyophilized without any additives.	

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in water to a stock concentration of 1 mg/ml and further dilute in buffer of choice.

STORAGE CONDITIONS: The lyophilized TGF-β1 is best-stored at -20°C. Reconstituted TGF-β1 should be stored in aliquots at -20°C.

DESCRIPTION: Transforming growth factor-betas (TGF-βs) mediate many cell-cell interactions that occur during embryonic development. Three TGFβs have been identified in mammals. TGF-Beta 1, TGF-Beta 2 and TGF-Beta 3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule. TGF-beta 1 is involved in hematopoiesis and endothelial differentiation.

APPLICATIONS: Control for Western blotting, ELISA and other similar assays.

FOR RESEARCH USE ONLY! Not to be used on humans.



SDS-PAGE (12 %) of Human TGF-β1:
1: Protein Marker
2: 5 µg Human TGF-β1

SDS-PAGE (12%) of Human TGF-β1: 5 µg of Recombinant human TGF-β1 loaded under reducing conditions and stained with Coomassie Blue. Recombinant human TGF-β1 has a predicted MW of ~ 15 kDa.

RELATED PRODUCTS:

- Human CellExp™ Human Recombinant TGF-beta 1 (Cat # 6479-10, -50)
- Human CellExp™ Human Recombinant TGF-beta 2 (Cat # 6480-10, -50)
- Human CellExp™ Human Recombinant TGF-beta 3 (Cat # 6481-10, -50)
- TGF-beta1, human recombinant (Cat. No. 4342-5, -50, -500)
- TGF-beta2, human recombinant (Cat. No. 4340-5, -50, -500)
- TGF-beta3, human recombinant (Cat. No. 4344-5, -50, -500)
- TGF-beta1 Antibody (Cat. No. 5559-100)
- TGF-beta2 Antibody (Cat. No. 5340-100)
- TGF-beta2 Antibody (Cat. No. 5343R-100)
- TGF-beta3 Antibody (Cat. No. 5344R-100)