

Recombinant TGF β 1 (Transforming Growth Factor- β 1)

Catalog No.	LT13511
Product Name	Recombinant TGF β 1 (Transforming Growth Factor- β 1) Cartilage-inducing factor, Differentiation inhibiting factor
Description	Human Transforming Growth Factor- β 1 (TGF- β 1) is a member of a superfamily of homologous, disulfide-linked, homo-dimeric proteins that regulate the proliferation and differentiation of normal and transformed cells. TGF- β 1 is synthesized in cells as a 390-amino acid precursor. The protein undergoes a number of intracellular processing steps including proteolytic digestion of the precursor yielding two products that assemble into dimers. The 65–75 kDa N-terminal cleavage product corresponds to the latency-associated peptide (LAP), and the 25-kDa C-terminal portion of the precursor constitutes the mature TGF- β 1. Molecular Weight: 125 kDa, glycosylated.
Expression System	Chinese Hamster Ovary cells
Endotoxin Level	Endotoxin Level < 1.0 EU per 1 μ g of the protein by the LAL method Sterile filtered 0.22 μ m filter in 20 mM TRIS*HCl buffer pH 7.2
Biological Activity	The ED50 is typically 20-60 ng/mL before activation and 0.1-1 ng/mL after activation.
Amino Acid Sequence	ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMI- VRSCK CS
Storage	-20°C to -80°C

