

Recombinant Human TGFB1 protein, His & Avi-tagged

Cat. No. TGFB1-137H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Latent TGF beta 1 Protein is expressed from mammalian with His Tag at the N-terminal and Avi Tag at the C-terminal. It contains Leu30-Ser390(C33S mutant)
Species	Human
Source	HEK293
ProteinLength	Leu30-Ser390
Description	Latent TGF beta 1 cDNA encodes a 390 amino acid precursor that contains a 29 aa signal peptide and a 361 aa proprotein. A furin-like convertase processes the proprotein to generate an N-terminal 249 aa latency-associated peptide (LAP) and a C-terminal 112 aa mature TGF- beta 1. Disulfide-linked homodimers of LAP and TGF- beta 1 remain non-covalently associated after secretion, forming the small latent TGF- beta 1 complex.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 44.4 KDa.
Endotoxin	Less than 1EU per ug by the LAL method.
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

GENE INFORMATION

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Gene Name	TGFB1 transforming growth factor beta 1[Homo sapiens (human)]
Official Symbol	TGFB1
Synonyms	Transforming growth factor beta-1 proprotein, Latency-associated peptide, Transforming growth factor beta-1, CEDLAP; DPD1; latency-associated peptide; TGF beta1; TGFB; TGFB1; TGF-beta 1 protein; TGFbeta 1; TGF-beta 1; TGFbeta; TGF-beta-1; transforming growth factor beta-1;
Gene ID	7040
mRNA Refseq	NM_000660.7
Protein Refseq	NP_000651.3
MIM	190180
UniProt ID	P01137

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