

Recombinant Human TGFB1 Protein, Fc-tagged

Cat. No. TGFB-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 Protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.
Form	Liquid
AA Sequence	ALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLDT QYSKVLALYNQHNP GASAAPCCVPQALEPLIVYYVGRKPKVEQLSNMIVRSCKCSL

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EVLFQGGGGGSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVD
 VSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYK
 CKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIA
 VEWESNGQPENNYKTTTPVLDSGGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALH
 NHYTQKSLSLSPGK*

Purity > 90% determined by SDS-PAGE (Reduced)

Storage Store at -20 to -80 centigrade.

Storage Buffer PBS, pH 6.8

GENE INFORMATION

Gene Name [TGFB1 transforming growth factor beta 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [TGFB1](#)

Synonyms TGFB1; transforming growth factor beta 1; CED; LAP; DPD1; TGFB; IBDIMDE; TGFbeta; TGF-beta1; transforming growth factor beta-1 proprotein; TGF-beta-1; latency-associated peptide; prepro-transforming growth factor beta-1; transforming growth factor beta1

Gene ID [7040](#)

mRNA Refseq [NM_000660](#)

Protein Refseq [NP_000651](#)

MIM [190180](#)

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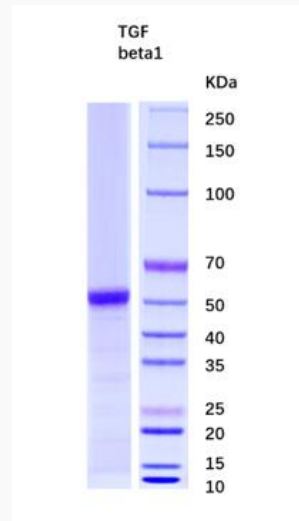
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UniProt ID

P01137

SDS-PAGE

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