

## TGFB1 抗原（重组蛋白）

中文名称： TGFB1 抗原（重组蛋白）

英文名称： TGFB1 Antigen (Recombinant Protein)

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 30-278 amino acids of human TGFB1

技术规格

<b>Full name:</b>	transforming growth factor beta 1
<b>Synonyms:</b>	CED; LAP; DPD1; TGFB; IBDIMDE; TGFbeta
<b>Swissprot:</b>	P01137
<b>Gene Accession:</b>	BC000125
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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 heterodimer.

rs with other TGF $\beta$  family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate the 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.