

# Recombinant Human TGFB1

Catalog No: #GP10823



Package Size: #GP10823-1 100ug

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## Description

Product Name	Recombinant Human TGFB1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 30-278 amino acids of human transforming growth factor, beta 1
Target Name	Transforming growth factor, beta 1
Other Names	CED; LAP; DPD1; TGFB; TGFbeta
Accession No.	Swissprot:P01137Gene Accession:BC000125
Uniprot	P01137
GenID	7040;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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