

TGF beta1 recombinant protein

TGF beta1, 279-390aa, Human, E Coli

CATALOG # AAA48559	HOST E Coli	APPLICATIONS SDS-Page
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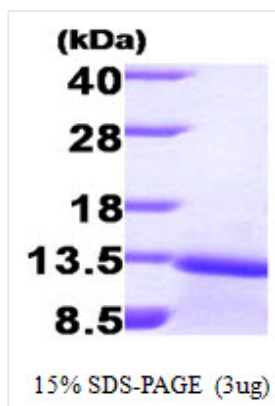
PRODUCT SYNONYMS

TGF beta1; 279-390aa; Human; E Coli; Transforming growth factor beta 1; CED; DPD1; TGFB; TGFB1; TGFbeta; Camurati-Engelmann disease; ; TGF beta1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 10mM Sodium citrate (pH 3.5) containing, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MALDTNYCFS STEKNCCVRQ LYIDFRKDLG WKWIHEPKGY HANFCLGPCP YIWSLDTQYS KVLALYNQHN PGASAAPCCV PQALEPLPIV YYVGRKPKVE QLSNMIVRSC KCS
Sequence Length	390
Applicable Applications for TGF beta1 recombinant protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TGF beta1 recombinant protein	Transforming growth factor beta 1 (TGF-beta1) is a polypeptide member of the transforming growth factor beta superfamily of cytokines. It is a secreted protein that performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation and apoptosis. Many cells synthesize TGFb1 and almost all of them have specific receptors for it. It positively and negatively regulates many other growth factors. Also, TGF-beta1 plays an important role in bone remodeling, controlling the immune system, and shows different activities on different types of cell, or cells at different developmental stages. Recombinant TGF-beta1 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for TGF beta1 recombinant protein	Hormones & Cytokines
References	Lebman DA., et al. (1999) Microbes Infect. 1 (15):1297-304.; Wahl SM., et al. (1988) J Immunol. 140 (9):3026-32. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651
NCBI GenBank Nucleotide #	NM_000660.6
UniProt Accession #	P01137; Q9UCG4; A8K792
Molecular Weight	12.9 kDa (113aa), confirmed by MALDI-TOF.
NCBI Official Full Name	transforming growth factor beta-1 preproprotein
NCBI Official Synonym Full Names	transforming growth factor beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.