

Transforming growth factor beta-1 (Tgfb1) Recombinant Protein | Tgfb1 recombinant protein

Recombinant Rat Transforming growth factor beta-1 (Tgfb1), partial

CATALOG # AAA15933	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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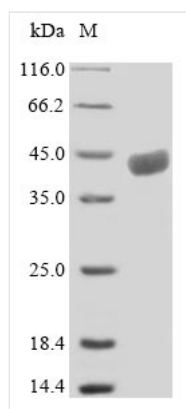
PRODUCT SYNONYMS

Transforming growth factor beta-1 (Tgfb1); Recombinant Rat Transforming growth factor beta-1 (Tgfb1); partial; Cleaved into the following chain: 1. Latency-associated peptide; 2. LAP; Tgfb1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	30-278. Partial
Sequence	LSTCKTIDME LVKRKRIEAI RGQILSKLRL ASPPSQGEVP PGPLPEAVLA LYNSTRDRVA GESADPEPEP EADYYAKEVT RVLNVDRNNA IYDKTKDITH SIYMFNTSD IREAVPEPPL LSRAELRLQR FKSTVEQHVE LYQKYSNNSW RYLGNRLLTP TDTPEWLSFD VTGVVRQWLN QGDGIQGFRF SAHCSCDSKD NVLHVEINGI SPKRGRDLGT IHDMNRPFL LMATPLERAQ HLHSSRHRR
Species	Rat
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Tgfb1 recombinant protein	Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFβ1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts. Can promote either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. At high concentrations, leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression, favoring Treg cell development. At low concentrations in concert with IL-6 and IL-21, leads to expression of the IL-17 and IL-23 receptors, favoring differentiation to Th17 cells.
Product Categories/Family for Tgfb1 recombinant protein	Signal Transduction
References	"cDNA cloning by PCR of rat transforming growth factor beta-1." Qian S.W., Kondaiah P., Roberts A.B., Sporn M.B. Nucleic Acids Res. 18:3059-3059(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11024652
NCBI GeneID	59086
NCBI Accession #	NP_067589.1
NCBI GenBank Nucleotide #	NM_021578.2
UniProt Accession #	P17246 ; Q53YM8
Molecular Weight	30.7
NCBI Official Full Name	transforming growth factor beta-1
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	Tgfb1
NCBI Official Synonym Symbols	Tgfb
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	Tgfb1
UniProt Synonym Gene Names	TGF-beta-1; LAP
UniProt Entry Name	TGFB1_RAT

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.

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Online datasheet: <https://www.aaabiotech.com/tgfb1-recombinant-protein-e-coli/15933>