Active Recombinant Human TGFB1 protein, His-tagged

Cat. No. TGFB1-489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TGFB1 protein(NP_000651.3) (Met 1-Ser 390) was expressed in HEK293, fused with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-390 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to bind biotinylated Human ALK1-Fc in functional Elisa.
Molecular Mass	The recombinant human latent TGFβ1 consists of 370 amino acids and has a calculated molecular mass of 42.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh TGFβ1 is approximately 16, 38 and 55 kDa corresponding to mature TGFβ1, LAP protein and inacitve latent TGFβ1 respectively due to glycosylation. In non-reduced SDS-PAGE, it migrates as an approximately 110 kDa protein consisting of a TGFβ1 homodimer non-covalently linked to a LAP homodimer.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

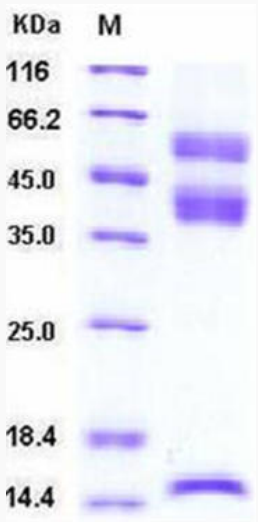
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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TGFB1 transforming growth factor, beta 1 [Homo sapiens]
Official Symbol	TGFB1
Synonyms	TGFB1; transforming growth factor, beta 1; DPD1, TGFB; transforming growth factor beta-1; Camurati Engelmann disease; CED; TGFbeta; TGF-beta-1; TGF-beta 1 protein; latency-associated peptide; LAP; DPD1; TGFB;
Gene ID	7040
mRNA Refseq	NM_000660
Protein Refseq	NP_000651
MIM	190180
UniProt ID	P01137

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SDS-PAGE	

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