Active Recombinant Human TGFB1 Protein, Fc-tagged

Cat. No. TGFB1-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human TGFB1-Fc fusion which is expressed as a 600 amino acid protein consisting of Leu30 - Ser390 region of TGFB1 and a C-terminal Fc from human IgG1 was expressed in human cells.
Species	Human
Source	Human Cells
ProteinLength	30-390 a.a.
Bio-activity	Binds to its receptor human ALK1 protein and anti-TGFB1 monoclonal antibodies, human IgG1 and human IgG4.
Molecular Mass	Calculated molecular mass (kDa): 68 kDa Estimated by SDS-PAGE under reducing condition (kDa): 40-45 & 70-75
AA Sequence	LSTCKTIDMELVKRKRIEAIRGQILSKLRLASPPSQGEVPPGPLPEAVLALYNSTRDRV AGESAEPEPEPEADYYAKEVTRVLMVETHNEIYDKFKQSTHSIYMFFNTSELREAVP EPVLLSRAELRLLRLKLKVEQHVELYQKYSNNSWRYLSNRLLAPSDSPEWLSFDVT GVVRQWLSRGGEIEGFRLSAHCSCDSRDNTLQVDINGFTTGRRGDLATIHGMNRPF LLLMATPLERAQHLQSSRHRRALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHE PKGYHANFCLGPCPYIWSLDTQYSKVLALYNQHNPGASAAPCCVPQALEPLPIVYYV GRKPKVEQLSNMIVRSCKCSGSTTENLYFQGSTGTHTCPPCPAPELLGGPSVFLFP PKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTY RVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREE

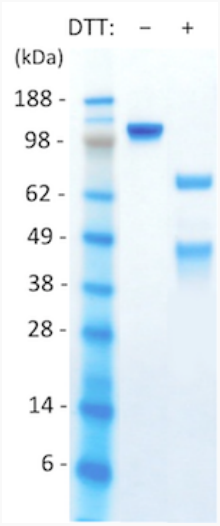
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	MTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVD KSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 EU per 1 μg of purified recombinant protein determined by the LAL method
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20 centigrade for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4 centigrade for no more than 2 weeks.
Storage Buffer	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free).
Shipping	The product is shipped at 4 centigrade for immediate use.

GENE INFORMATION

Gene Name	TGFB1 transforming growth factor beta 1 [Homo sapiens (human)]
Official Symbol	TGFB1
Synonyms	TGFB1; transforming growth factor beta 1; CED; LAP; DPD1; TGFB; IBDIMDE; TGFbeta; TGF-beta1; transforming growth factor beta-1 proprotein; TGF-beta-1; latency-associated peptide; prepro-transforming growth factor beta-1; transforming growth factor beta1
Gene ID	7040
mRNA Refseq	NM_000660

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_000651
MIM	190180
UniProt ID	P01137
SDS-PAGE	 5 μg of purified antibody analyzed by SDS-PAGE under reducing (+DTT) and non-reducing (-DTT), stained with Coomassie blue (protein markers with molecular mass in kDa indicated at left)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA