

Active Recombinant Human TGFB1 Protein

Cat. No. TGFB1-014H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 Protein without tag was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	279-390 a.a.
Bio-activity	Determined by TGF- β 1's ability to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells. The expected ED50 is ≤ 0.05 ng/mL, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.
AA Sequence	ALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLDT QYSKVLALYNQHNP GASAAPCCVPQALEPLEIVYYVGRKPKVEQLSNMIVRSCKCS
Endotoxin	<0.1 ng/ μ g of protein (0.1 EU/ μ g)
Purity	$\geq 98\%$ by SDS-PAGE gel and HPLC analyses.
Storage	Lyophilized protein remains stable before December 2022 when stored at -20 to 80 centigrade. Lyophilized protein can be stored at 4 centigrade for 6 months and room temperature for 1 month. Reconstituted protein can be stored at 2 to 8 centigrade for a week.
Storage Buffer	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

 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

Reconstitution

Centrifuge vial prior to opening. Reconstitute in water to 0.1-1.0 mg/ml. Do not Vortex. Store at 2 centigrade to 8 centigrade for 1 week, or prepare for extended storage. Follow reconstitution with further dilution in a buffer containing a carrier protein (example 0.1 % BSA). Store working aliquots at -20 centigrade to -80 centigrade. Avoid repeated freeze-thaw cycles. Extended storage: -20 centigrade to -80 centigrade for 12 months.

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](#)

Protein Refseq [NP_000651](#)

MIM [190180](#)

UniProt ID [P01137](#)

 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