

Recombinant Human TGF protein

Cat. No. TGF-137H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mature TGF Beta1 Protein is expressed from Expi293 with no Tag. It contains Ala279-Ser390.
Species	Human
Source	HEK293
ProteinLength	Ala279-Ser390
Description	TGF-beta 1(transforming growth factor beta 1) is one of three closely related mammalian members of the large TGF-beta superfamily that share a characteristic cystine knot structure. TGF-beta 1, -2 and -3 are highly pleiotropic cytokines that are proposed to act as cellular switches that regulate processes such as immune function, proliferation and epithelial-mesenchymal transition. Transforming growth factor beta-1 is multifunctional protein that regulates the growth and differentiation of various cell types and is involved in various processes, such as normal development, immune function, microglia function and responses to neurodegeneration.
Form	Supplied as 0.22µm filtered solution in 50mM Glycine150mM NaCl, pH2.5.
Molecular Mass	The protein has a predicted MW of 13.2 KDa. Due to glycosylation, the protein migrates to 14-15KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.

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Purity >95% as determined by Bis-Tris PAGE

Storage The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name [TGFB1](#)

Official Symbol [TGFB1](#)

Synonyms Transforming growth factor beta-1, CEDLAP; DPD1; TGF beta1; TGFB; TGFB1; TGF-beta 1 protein; TGFbeta 1; TGF-beta 1; TGFbeta; TGF-beta-1; transforming growth factor beta-1;

Gene ID [7040](#)

mRNA Refseq [NM_000660.7](#)

Protein Refseq [NP_000651.3](#)

MIM [190180](#)

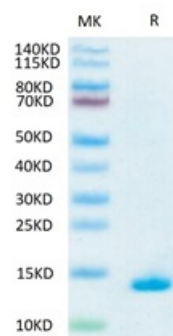
UniProt ID [P01137](#)

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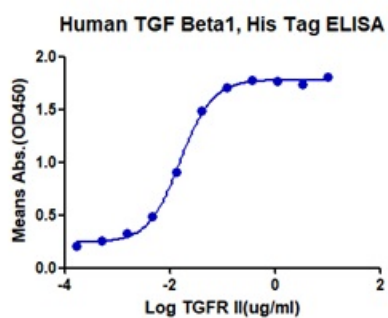
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Tris-Bis PAGE of TGF-137H



ELISA data of TGF- 137H



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