

TGF Beta-2 Recombinant Protein | TGFBeta-2 recombinant protein

Human TGF Beta-2 Recombinant (CHO Cell)

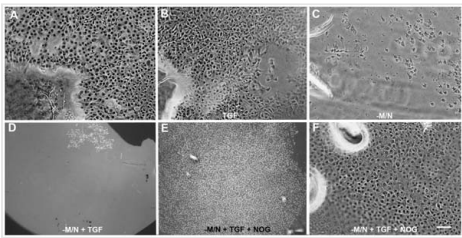
CATALOG #	HOST
AAA76399	CHO cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

PRODUCT SYNONYMS

TGF Beta-2; Human TGF Beta-2 Recombinant (CHO Cell); TGFBeta-2 recombinant protein

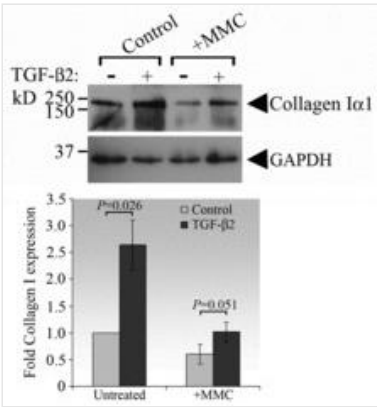
PRODUCT SPECIFICATIONS

Host	CHO cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC.
Form/Format	Recombinant TGF-b2 is lyophilized from 2 um filtered PBS solution pH7.4
Sequence	MPPSGLRLLL LLLPLLWLLV LTPGRPAAGL STCKTIDMEL VKRKRIEAIR GQILSKLRLA SPSPQGEVPP GPLPEAVLAL YNSTRDRVAG ESAEPEPEPE ADYYAKEVTR VLMVETHNEI YDKFKQSTHS IYMFNTSEL REAVPEPVLL SRAELRLLRL KLVQEHVEL YQKYSNNSWR YLSNRLLAPS DSPEWLSFDV TGVVRQWLSR GGEIEGFRLS AHCSCDSRDN TLQVDINGFT TGRRGDLATI HGMNRPFLLL MATPLERAQH LQSSRHRRAL DTNYCFSSSTE KNCCVRQLYI DFRKDLGWKW IHEPKGYHAN FCLGPCPYIW SLDTQYSKVL ALYNQHNPQA SAAPCCVPQA LEPLPIVYV GRKPKVEQLS NMIVRSCKCS
Source	Optimized DNA sequence encoding Human Transforming Growth Factor Beta-2 mature chain was expressed in CHO Cells
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Function	Growth-factor, Mitogen
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Upon reconstitution, this cytokine can be stored in working aliquots at 2 degree -8 degree C for one month, or at -20 degree C for six months. Avoid repeated freeze/thaw cycles.



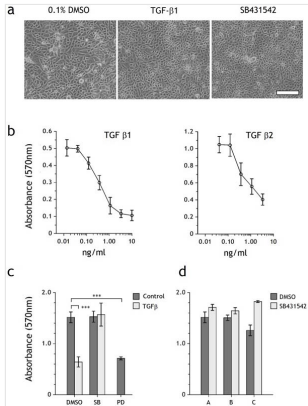
Application Data

Effects of Myo/Nog cell depletion and TGF-β2 on wound healing in anterior lens explants. The wound was also covered with cells following treatment with TGF-β2.



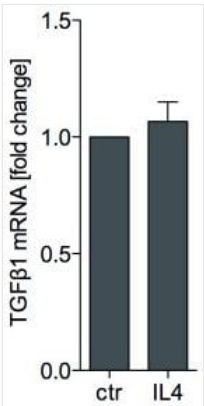
Application Data

Collagen I and fibronectin protein expressions were not induced in SPARC knockdown HTFs in response to TGF-β2 but α-SMA expression remained inducible. HTFs were treated with MMC (left panel) or transfected with siRNAs (right panel), with or without TGF-β2, for 72 hrs before being analysed for collagen I protein abundance by immunoblotting for collagen Iα1 and GAPDH (loading control).



Application Data

Influence of TGF-β and TGF-β inhibitors on morphology and proliferation of NHU cell cultures. (b) MTT assay showing dose-response curves of viable biomass from non-differentiated (proliferative) NHU cells treated for 4 days with TGF-β1 and TGF-β2.



Application Data

Treatment of microglia with IL4 increased TGF-β2 expression and secretion. Quantitative RT-PCR for TGF-β1, TGF-β2 and TGF-β3 revealed increased TGF-β2 expression after IL4 treatment.

ADDITIONAL INFORMATION

Product Categories/Family for TGFβ-2 recombinant protein	Recombinant Human Cytokines; Cytokines
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.4
UniProt Accession #	P01137; P01730 CD4_HUMAN; P37023 ACVL1_HUMAN; P18564; P36897 TGFR1_HUMAN; P37173 TGFR2_HUMAN; Q03167; Q14392 LRC32_HUMAN; Q14766; Q62356 FSTL1_MOUSE
Molecular Weight	44,341 Da
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	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1; TGF-beta-1; TGF-beta 1 protein; latency-associated peptide
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP
UniProt Entry Name	TGFB1_HUMAN

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://stage.aaabiotech.com/tgfb1-recombinant-protein-cho-cells/76399>