

Transforming Growth Factor-Beta 1 Active Protein | TGF b 1 active protein

Human Transforming Growth Factor-Beta 1

CATALOG # AAA38647	HOST Human Platelets
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PRODUCT SYNONYMS

Transforming Growth Factor-Beta 1; Human Transforming Growth Factor-Beta 1; TGF b 1 Human; Transforming Growth Factor-beta 1 Human; Transforming growth factor beta-1; TGF-beta-1; CED; DPD1; TGFB; TGF-b 1; TGF b 1 active protein

PRODUCT SPECIFICATIONS

Host	Human Platelets
Purity/Purification	Greater than 98.0% as determined by SDS-PAGE.
Form/Format	TGF-Beta1 protein was lyophilized from a solution containing 30% acetonitrile and 0.1% trifluoroacetic acid.
Sequence Length	390
Physical Appearance	Sterile Filtered lyophilized powder.
Solubility	It is recommended to reconstitute lyophilized TGF-beta 1 in 0.5% BSA in 0.1N acetic acid, which can then be further diluted to the desired aliquot with 30% acetonitrile and 0.1% trifluoroacetic acid.
Biological Activity	Stimulates the growth of NRK-1 cells in soft agar at concentrations ranging from 0.1 to 5ng/ml corresponding to a specific activity of 200,000-10,000,000IU/mg. Effective concentration ranges must be experimentally determined. Purified EGF and/or TGF-? must be present for observation of the biological activity.
Preparation and Storage	Lyophilized TGF-beta 1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-beta 1 should be stored at 4°C between 2-7 days and for future use below -18°C. DO NOT RECONSTITUTE WITH NEUTRAL BUFFERS. DO NOT USE GLASS IMPLEMENTS OR EXTENSIVE MANIPULATIONS. PREVENT FREEZE THAW CYCLES.

ADDITIONAL INFORMATION

Related Product Information for TGF b 1 active protein	Human Transforming Growth Factor-beta 1 purified from Human Platelets having a molecular mass of 25kDa. The TGF-b 1 is purified by proprietary chromatographic techniques.
Product Categories/Family for TGF b 1 active protein	Cytokines and Growth Factors ; Growth Factors ; Transforming Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.5
UniProt Accession #	P01137 ; Q9UCG4 ; A8K792
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; latency-associated peptide; prepro-transforming growth factor beta-1
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/human-platelets-tgf-b-1-active-protein/transforming-growth-factor-beta-1/38647>