

Transforming Growth Factor-beta 1 Human

Item Number	rAP-2478
Synonyms	Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1.
Description	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.
Uniprot Accession Number	P01137
Amino Acid Sequence	
Source	Human Platelets.
Physical Appearance and Stability	Sterile Filtered lyophilized powder. 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 CY-
Formulation and Purity	TGF-Beta1 protein was lyophilized from a solution containing 30% acetonitrile and 0.1% trifluoroacetic acid. Greater than 98.0% as determined by SDS-PAGE.
Application	
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
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**