

Transforming Growth Factor-Beta 1 Human Recombinant, CHO

Item Number	rAP-2484
Synonyms	Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1, LAP, TGFB1.
Description	TGFB1 Human Recombinant produced in CHO cells is a homodimeric polypeptide chain containing 2 x 112 amino acids and having a total molecular mass of 25kDa.
Uniprot Accession Number	P01137
Amino Acid Sequence	ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMIVRSCK CS
Source	Chinese Hamster Ovary cells.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The TGF b 1 Human 0.22 µm filtered solution (0.24mg/ml) contains 20mM TRIS HCl buffer pH 7.2. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	The ED50 for this effect is typically 20-60ng/ml before activation and 0.1-1ng/ml after activation as measured by TGF-b1's ability to inhibit the mouse IL-4-dependent proliferation of HT-2 cells.Activation: Activated in vitro at pH below 3.5 and over 12.5
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**