

Transforming Growth Factor-Beta 2 Human Recombinant, HEK

Item Number	rAP-2471
Synonyms	Transforming growth factor, beta 2, cetermin, Glioblastoma-derived T-cell suppressor factor, polyergin, G-TSF, TGF-beta2, TGF-beta-2, transforming growth factor beta-2, BSC-1 cell growth inhibitor, TGFB-2.
Description	TGF-b 2 Human Recombinant produced in HEK cells is a non-glycosylated homodimer, having a total molecular weight of 25kDa. The TGF-b 2 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P61812
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TGF-b 2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-b 2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	TGF-b 2 was lyophilized from a 0.2µm filtered solution containing 50mM sodium acetate pH 4.5. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TGF-b 2 in sterile solution containing 20% ethanol, 50mM sodium acetate and 75mM acetic acid.
Biological Activity	The specific activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2), the ED50 is 0.16ng/ml.
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**