

Transforming Growth Factor-Beta 3 Human Recombinant, Plant

Item Number	rAP-2479
Synonyms	Transforming Growth Factor-beta3, TGFB3, ARVD, FLJ16571, TGF-beta3.
Description	TGFB3 Human Recombinant produced in plant is a disulfide-linked homodimeric, glycosylated, polypeptide chain containing 118 amino acids and having a molecular mass of 27.2kDa. The TGFB3 is fused to 6xHis tag at N-terminus and purified by standard chromatographic techniques.
Uniprot Accession Number	P10600
Amino Acid Sequence	HHHHHALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYL-RSADTTHTSTVLGLYNTLNPEASASPCCVQDLEPLTILYYVGRTPKVEQLSNMVKCKCS.
Source	Nicotiana benthamiana.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TGFB3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFB3 Human 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	Lyophilized from a concentrated (1mg/ml) solution containing 50mM Tris-HCl pH-7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TGFB3 in sterile 5mM HCl & 50ug/ml BSA at a concentration of 0.05mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity of TGFB3 is measured in culture by its ability to inhibit the mink lung epithelial (Mv1Lu) cells proliferation. ED50 ? 40ng/ml corresponding to a specific activity of 25,000 Units/mg.
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**