

Human TGFB2 Recombinant Protein



RPPB0973

Product Information Protein Information

Product SKU:

RPPB0973

Accession:

P61812

Host:

Nicotiana
benthamiana.

Protein description:

TGFB2 Human Recombinant produced in plants is a homodimeric polypeptide chain containing 2 x 118 amino acids and having a total molecular mass of 27.08kDa. The TGFB2 is fused to 6xHis Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing 50mM Tris-HCl pH-7.4.

Purity:

Greater than 97.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized TGFB2 in sterile 18M-cm H₂O not less than 1µg/40µl, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TGFB2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFB2 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.

Amino Acid Sequence:

HHHHHHALDAAYCFRNVDNCCLRPLYIDFKRDLGWKWIHEPKGYNANFCAGACPYLWSSDTQHSRVLSLYNTI
NPEASAPCCVSQDLEPLTI LYYIGKTPKIEQLSNMIVKSKCS.

Biological Activity:

The biological activity of TGFB2 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.