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32-1770: TGF b 2 HEK Recombinant Protein

Alternative Name :	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

Source : HEK. 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. TGFB2 is a 27.08 kDa protein having two identical 118 amino acid peptide chains linked by a single disulfide bond. TGFB2 is part of a family of five related cytokines that have an extensive variation of normal and neoplastic cells, indicating the importance of these homo-dimmer proteins as multi-functional regulators of cellular activity. The three mammalian isoforms of TGF-beta (TGFb1, TGFb2 and TGFb3) signal through the same receptor and stimulate similar biological responses. They are involved in physiological processes as embryogenesis, tissue remodelling and wound healing.

Product Info

Amount :	5 µg
Purification :	Greater than 95% as obsereved by SDS-PAGE.
Content :	TGF-b 2 was lyophilized from a 0.2µm filtered solution containing 50mM sodium acetate pH 4.5.
Storage condition :	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.

Application Note

It is recommended to reconstitute the lyophilized TGF-b 2 in sterile solution containing 20% ethanol, 50mM sodium acetate and 75mM acetic acid. 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.