

## 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-dimer 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 observed 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.

