

## 32-1772: TGF b 3 CHO Recombinant Protein

**Alternative Name :** Transforming Growth Factor-beta3, TGFB3, ARVD, FLJ16571, TGF-beta3.

### Description

Source : Chinese Hamster Ovarian Cells. TGF-b 3 Human Recombinant produced in CHO is a disulfide-linked homodimeric, glycosylated, polypeptide chain containing 112 amino acids and having a molecular mass of 25kDa. The TGF-b 3 is purified by standard chromatographic techniques. Transforming growth factor betas (TGFBetas) mediate many cell-cell interactions that occur during embryonic development. Three TGFBetas have been identified in mammals. TGFBeta1, TGFBeta2 and TGFBeta3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 97.0% as determined by SDS-PAGE.
<b>Content :</b>	The protein solution contains 20% Ethanol and 0.1% Acetic acid.
<b>Storage condition :</b>	TGF-beta 3 although stable at 4°C. for 3 weeks, should be stored at -20°C to -70°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
<b>Amino Acid :</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Leu-Asp-Thr-Asn.

### Application Note

The biological activity was determined using cell toxicity assay via HT-2 cells. The ED50 was found to be < 0.05ng/ml, corresponding to a specific activity of 20,000,000IU/mg.

