Product Data Sheet

Product Name:	TGFB3 Human, CHO
Cat. No.:	GP20952
Batch No.:	1

Product Data

Purity	>98%	Source	Chinese Hamster Ovarian Cells.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transforming Growth Factor-beta3; TGFB3; ARVD; FLJ16571; TGF-beta3.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Leu-Asp-Thr-Asn.		
Formulation	The protein solution contains 20% Ethanol and 0.1% Acetic acid.		

Introduction

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.

Biological Activity

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.

Stability

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).

Background

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.

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