
Product Data Sheet

Product Name: TGFB3 Human
Cat. No.: GP20951
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transforming Growth Factor-beta3; TGFB3; ARVD; FLJ16571; TGF-beta3.		
Amino Acid Sequence	MALDTNYCFRN LEENCCVRPL YIDFRQDLGW KVVHEPKGY ANFCSGPCPY LRSADTTHTST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCK CS.		
Formulation	The protein solution contains 20% Ethanol and 10mM Acetic acid (AcOH).		

Introduction

Transforming growth factor betas (TGF Betas) mediate many cell-cell interactions that occur during embryonic development. Three TGF Betas have been identified in mammals. TGF Beta 1, TGF Beta 2 and TGF Beta 3 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 activity is determined by the ability to induce chondrogenic differentiation.

Stability

TGF-beta 3 although stable at room temperature for 1 week, should be stored at 4°C .

Background

TGF-β 3 Human Recombinant produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing two 113 amino acid chains and having a total molecular mass of 25.8kDa. The TGF-β 3 is purified by standard chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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