
Product Data Sheet

Product Name: TGFB1 (113 a.a.) Human

Cat. No.: GP20947

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transforming growth factor beta-1; TGF-beta-1; CED; DPD1; TGFB; TGF-b 1.		
Amino Acid Sequence	MALDTNYCFS STEKNCCVRQ LYIDFRKDLG WKWIHEPKGY HANFCLGPCP YIWSLDTQYS KVLALYNQHN PGASAAPCCV PQALEPLPIVYYVGRKPKVE QLSNMIVRSC KCS.		
Formulation	The TGF-b 1 solution contains 10mM Sodium Citrate (pH3.5) and 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TGF-b 1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 113 amino acids (279-390 a.a.) and having a total molecular mass of 12.9 kDa. TGF-b 1 (113 a.a.) is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA