
Product Data Sheet

Product Name: TGFB1 Human, His
Cat. No.: GP20946
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; TGFB1.		
Formulation	TGF-b 1 His-Tag protein is supplied in 25mM NaAcetate pH 4.8 and 50% 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. TGF-b 1 regulates the actions of numerous other growth factors involved in a variety of human diseases including renal disease, hepatic disease, heart failure and cardiomyopathies.

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. Please avoid freeze thaw cycles.

Background

TGF-b 1 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 112 amino acids fragment (279-390) having a molecular weight of 17.3kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The TGF-b 1 His 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