
Product Data Sheet

Product Name: TGFB1 Human, GST
 Cat. No.: GP20945
 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.

Amino Acid Sequence KWIHEPKGYHANFCLGPCPYIWSLDTQYSKVLALYNQHNPASAAAPCCVPQALEPLPIVYYVGRKPKVEQLSNMIVRSCCKS.

Formulation The protein solution (500µg/ml) contains 50mM Tris-HCl, pH-7.5 and 10mM L-glutathione (reduced).

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.

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

The Recombinant Human TGF-b1 (aa 309-390) is purified by standard chromatographic techniques and shows a 35kDa band on SDS-PAGE (including GST tag).

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