
Product Data Sheet

Product Name: TGFB1 Mouse
 Cat. No.: GP20948
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 Ala279-Ser390
Physical Appearance	solid	Shipping Condition	Shipping with dry ice.
Synonyms	Transforming growth factor beta-1; TGF-beta-1; Tgfb; Tgfb-1; TGFbeta1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSALDTNYC FSSTEKNCCV RQLYIDFRKD LGWKWIHEPK GYHANFCLGPCPYIWSLDTQ YSKVLALYNQ HNP GASASPC CVPQALEPLP IVYYVGRKPK VEQLSNMIVR SCKCS.		
Formulation	Sterile 20 mM sodium citrate(pH=2.5) buffer with protein concentration of 0.1 mg/mL. This solution can be diluted into other aqueous buffers.		

Introduction

Transforming growth factor betas (TGFβs) mediate many cell-cell interactions which occur during embryonic development. Three TGFβs have been identified in mammals. TGFβ1, TGFβ2 and TGFβ3 are each synthesized as precursor proteins which are very similar in that each is cleaved to yield a 112 amino acid polypeptide which remains associated with the latent portion of the molecule.

Stability

Avoid repeated freeze-thaw cycles. It is recommended that the protein be aliquoted for optimal storage. 12 months from date of receipt, -20 to -70°C as supplied.

Background

TGFB1 Mouse Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 135 amino acids (279-390 a.a) and having a molecular mass of 15kDa.

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

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