
Product Data Sheet

Product Name: TGFB3 (24-412 a.a.) Human

Cat. No.: GP20956

Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Transforming Growth Factor; Beta 3; Prepro-Transforming Growth Factor Beta-3; TGF-Beta-3; ARVD1; RNHF; Arrhythmogenic Right Ventricular Dysplasia 1; Transforming Growth Factor Beta-3; TGF-Beta3; ARVD; Transforming growth factor beta-3; TGF-beta-3. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSLSTCTTL DFGHIKKRV EAIRGQILSK LRLTSPPEPT VMTHVPYQVLALYNSTRELL EEMHGEREEG CTQENTESEY YAKEIHKFDM IQGLAEHNEL AVCPKGITSK VFRFNVSSVEKNRTNLFRAE FRVLRVPNPS SKRNEQRIEL FQILRPDEHI AKQRYIGGKN LPTRGTAEWL SFDVTDTVREWLLRRESNLG LEISIHCPCH TFQPNGDILE NIHEVMEIKF KGVDNEDDHG RGD LGRLKKQ KDHHNPHLILMMIPPHRLDN PGQGGQRKKR ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWWHEPKGYY ANFCSGPCPYLRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCS CS. | | |
| Formulation | TGFB3 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol. | | |

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

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

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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

TGFB3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 412 amino acids (24-412 a.a) and having a molecular mass of 47.2kDa. TGFB3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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