

TGF b 1 (113 a.a.) Human

Description: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.

Catalog #:CYPS-686

For research use only.

Synonyms:Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MALDTNYCFS STEKNCCVRQ LYIDFRKDLG WKWIHEPKGY
HANFCLGPCP YIWSLDTQYS KVLALYNQHN PGASAAPCCV PQALEPLPIVYVGRKPKVE
QLSNMIVRSC KCS.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The TGF-b 1 solution contains 10mM Sodium Citrate (pH3.5) and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Transforming growth factor betas (TGFβs) mediate many cell-cell interactions that occur during embryonic development. Three TGFβs have been identified in mammals. TGFβ1, TGFβ2 and TGFβ3 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.

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