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TGF b 3 Human

Catalog #:CYPS-375

For research use only.

Description:TGF-b3 Human Recombinant produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing 112 amino acids and having a molecular mass of 25.5kDa. The TGF-b 3 is purified by standard chromatographic techniques.

Synonyms: Transforming Growth Factor-beta3, TGFB3, ARVD, FLJ16571, TGF-beta3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWVHEPKGYY ANFCSGPCPY LRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCK CS.

Purity: Greater than 98.0% as determined by SDS-PAGE.

Formulation:
The protein solution contains 20% Ethanol and 0.12% Acetic acid.

Stability:
TGF-beta 3 althoμgh stable at room temperature for 3 weeks, should be stored at 4°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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

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.

Biological Activity:
The ED50 as determined by the cell toxicity assay using the WHO Standard 98/608 as a direct comparison is < 0.05ng/ml corresponding to a specific activity of 20,000,000 Units/mg.

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