**TGF?3: Transforming Growth Factor-beta-3**

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**Description**

**BACKGROUND** The Transforming Growth Factors (TGFs) are multifunctional peptides that regulate growth and differentiation in a variety of cells. Recent data suggest that individual TGF-? isoforms (TGF?1, -?2 and ?3) have overlapping, yet distinct biological actions and target cell specificities, both in developing and adult tissues. TGF-?3 is a new isoform that is presumed to play an important role in wound repair and scarring. TGF-? 3 is also thought to be involved in osteoblast proliferation, chemotaxis, and collagen synthesis.

Recombinant human/mouse TGF?3 is a non-glycosylated, disulfide-linked homodimer. Each monomer is 112 amino acids, having a total molecular mass of 25.5 kDa.

*Products are for research use only. They are not intended for human, animal, or diagnostic applications.*
Details

Cat. No.: RP1109AF

Alternative Name: None

Source: E. coli

Physical Appearance: Sterile filtered clear solution.

Formulation: Recombinant human/mouse TGF-β 3 is provided in a solution (0.25 mg/ml) that contains 10 mM acetic acid and 20% Ethanol.

Stability: Stable at 4°C for 1 year from date of purchase.

Reconstitution: Not applicable.

Protein Content and Purity determined by: Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level: Endotoxin level, as measured by LAL analysis, is <1EU/ug.

Biological Activity: The activity is determined by inhibition of IL-4-induced HT-2 cell proliferation.

AA Sequence: MALDTNYCFR NLEENCCVRP LYIDFRQDLG WKWVHEPKGY YANFCSGPCP YLRSADTTTHS TVLGLYNTLN PEASASPCCV PQDLEPLTIL YYVGRTPKVE QLSNMMVKSC KCS

Animal Component-Free
This product is produced with no animal derived raw products.

Products