TGFB3
Recombinant Human/Mouse Transforming Growth Factor-beta 3

Catalog No.	CRT004A	**Quantity:**	2 µg
	CRT004B		10 µg
	CRT004C		1 mg
	CRT004D		100 µg

Alternate Names: TGF-beta 3, ARVD, ARVD1

Gene ID: 7043 human proprotein
21809 mouse proprotein

UniProt ID: P10600 human proprotein
P17125 mouse proprotein

Description: The Transforming Growth Factors (TGFs) are multifunctional peptides that regulate growth and differentiation in a variety of cells. Recent data suggests that individual TGF-beta isoforms (TGF-beta1, -beta2 and –beta3) have overlapping, yet distinct biological actions and target cell specificities, both in developing and adult tissues. TGF-beta3 is a new isoform that is presumed to play an important role in wound repair and scarring. TGF-beta3 is also thought to be involved in osteoblast proliferation, chemotaxis, and collagen synthesis.
Human and mouse TGF-β3 have 100% sequence identity.

Concentration: 0.25 mg/mL

Source: *E. coli*

Molecular Weight: 12.9/25.7 kDa (113/226 aa), dimer

Formulation: 10 mM acetic acid, 20% Ethanol

Purity: ≥ 95% by reducing and nonreducing SDS PAGE

Endotoxin Level: ≤ 1 EU/µg by kinetic LAL analysis

Biological Activity: ED_{50} ≤1 ng/mL, determined by the dose-dependent inhibition of IL-4-induced proliferation from mouse HT-2 cells.

Specific Activity: ≥ 1×10^6 U/mg

Amino Acid Sequence: MALDTNYCFR NLEENCCVRP LYIDFRQDLG WKWVHEPKGY YANFCSGPCP YLRSADTTHS TVLGLYNTLN PEASASPCCV PQDLEPLTIL YYVGRTPKVE QLSNMVVKSC KCS

Storage & Stability: Store at 2-8 °C for up to one year. **Do Not Vortex.**

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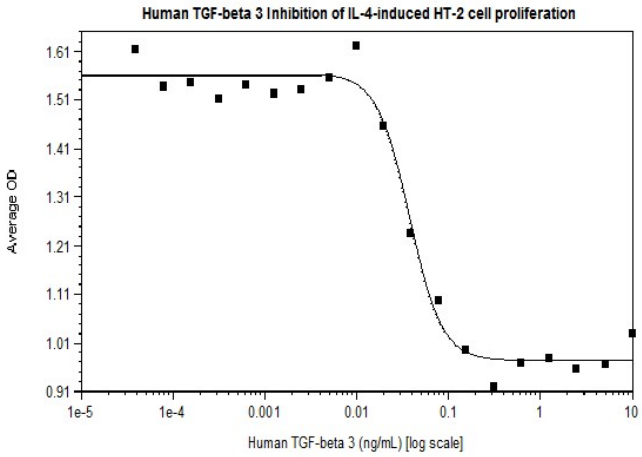

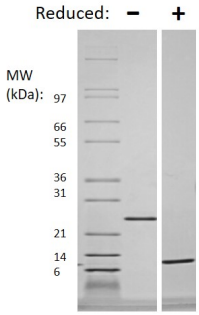

Human TGF-beta 3 QC Gel
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human TGF-beta 3 is a homodimer with a total predicted MW of 25.7 kDa (each monomer is 12.9 kDa).

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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