

TGFB3

Recombinant Human/Mouse Transforming Growth Factor-beta 3, Animal Free

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

Alternate Names: TGF-beta 3

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*
Manufactured without Animal-derived products, in an Animal Free facility.

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

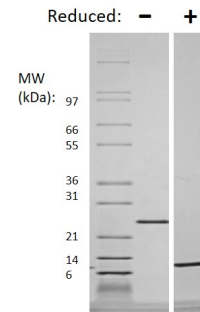
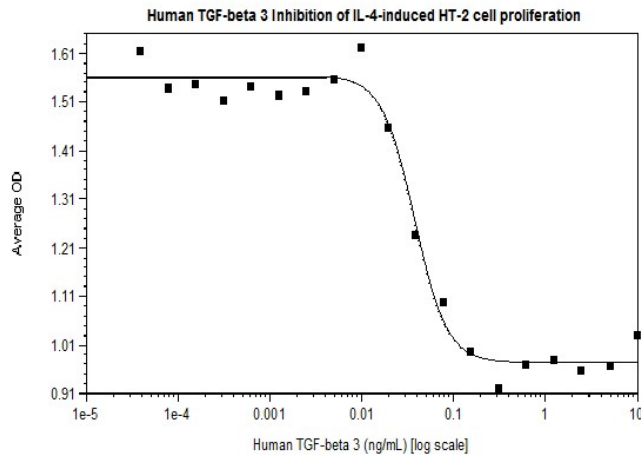
Biological Activity: ED₅₀ ≤1 ng/mL, determined by the dose-dependent inhibition of IL-4-induced proliferation from mouse HT-2 cells.

Specific Activity: ≥ 1 x 10⁶ U/mg

Amino Acid Sequence: MALDTNYCFR NLEENCCVRP LYIDFRQDLG WKWVHEPKGY YANFCSGPCP
YLR SADTTHS TVLGLYNTLN PEASASPCCV PQDLEPLTIL YYVGRTPKVE
QLSNMVKSC KCS

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





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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