

TGF- β 3, Mouse Recombinant

CATALOG #:	7588-5	5 μ g
	7588-50	50 μ g
	7588-500	500 μ g
ALTERNATE NAMES:	Transforming growth factor beta-3	
SOURCE:	E.Coli	
PURITY:	\geq 98% by SDS - PAGE	
MOL. WEIGHT:	25.5 kDa.	
ENDOTOXIN CONTENT:	Measured by kinetic LAL analysis and is typically \leq 1 EU/ μ g protein	
FORM:	Liquid	
FORMULATION:	0.25 mg/mL solution containing 20% ethanol and 10mM acetic acid	

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

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- β isoforms (TGF- β 1, - β 2 and - β 3) have overlapping, yet distinct biological actions and target cell specificities, both in developing and adult tissues. TGF- β 3 is a new isoform that is presumed to play an important role in wound repair and scarring. TGF- β 3 is also thought to be involved in osteoblast proliferation, chemotaxis, and collagen synthesis. Recombinant mouse TGF- β 3 is a non-glycosylated, disulfide-linked homodimer, containing two 112 amino acid chains, with a total molecular weight of 25.5 kDa.

BIOLOGICAL ACTIVITY: The activity is determined by the cell toxicity assay, using the WHO Standard 98/608 as a direct comparison, and is typically less than 0.05 ng/mL.

AMINO ACID SEQUENCE: ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KVVHEPKGYY ANFCSGPCPY LRSADTTHTST VLGLYNTLNP EASASPCCV QDLEPLTILY YVGRTPKVEQ LSMVVKSKC CS

RELATED PRODUCTS:

- TGF-alpha, human recombinant (**Cat. No. 4339-20, -100, 1000**)
- TGF-beta1, human recombinant (**Cat. No. 4342-5, -50, 500**)
- TGF-beta2, human recombinant (**Cat. No. 4340-5, -50, 500**)
- TGF-beta3, human recombinant (**Cat. No. 4344-5, -50, 500**)

FOR RESEARCH USE ONLY! Not to be used in humans.