BioVision

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For research use only

# TGF-β3, Mouse Recombinant

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| **CATALOG #:** | 7588-5 | 5 µg |
| | 7588-50 | 50 µg |
| | 7588-500 | 500 µg |

**ALTERNATE NAMES:** Transforming growth factor beta-3

**SOURCE:** E.Coli

**PURITY:** ≥98% by SDS - PAGE

**MOL. WEIGHT:** 25.5 kDa.

**ENDOTOXIN CONTENT:** Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein

**FORM:** Liquid

**FORMULATION:** 0.25 mg/mL solution containing 20% ethanol and 10mM acetic acid

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**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-β1, -β2 and –β3) have overlapping, yet distinct biological actions and target cell specificities, both in developing and adult tissues. TGF-β3 is a new isoform that is presumed to play an important role in wound repair and scarring. TGF-β3 is also thought to be involved in osteoblast proliferation, chemotaxis, and collagen synthesis. Recombinant mouse TGF-β3 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 KWVHEPKGYY ANFCSGPCPY LRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCK 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.***

**Gentaur Europe BVBA** Voortstraat 49, 1910 Kampenhout BELGIUM
Tel 0032 16 58 90 45 info@gentaur.com

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