

Recombinant Human Transforming Growth Factor, Beta 3, Monomeric Form

Cat. No. TGFB3-007N **Lot. No.** (See product label)

SPECIFICATION

Product Overview	It is produced by transient expression of TGFβ-3 in non-transgenic plant. Recombinant human TGFβ-3 is purified by sequential chromatography (FPLC). This product contains no animal-derived components or impurities.
Species	Human
Source	Nicotiana Benthamiana
Description	Transforming growth factor-beta 3 (TGF-beta 3) is a member of the TGF beta family of growth factors. It is involved in oxygen-dependent differentiation processes during placental development and pregnancy disorders. It also plays an important role in wound repair and scarring.
Formulation	Lyophilized from a buffer of Tris HCl 0.05M pH 7.4.
Molecular formula	C ₆₀₀ H ₉₀₂ N ₁₆₆ O ₁₇₄ S ₁₀
Extinction coefficient	E _{0.1%} = 1.729 (A ₂₈₀ nm).
Molecular weight	13.5 kDa
p.I	6.75
Purity assay	>98 % as determined by SDS-PAGE gel.

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Endotoxin level < 0.04 EU/ µg protein (LAL method).

Storage This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. Repeated freezing and thawing is not recommended.

GENE INFORMATION

Gene Name TGFB3 transforming growth factor, beta 3 [Homo sapiens]

Official Symbol TGFB3

Synonyms Transforming Growth Factor-beta3; TGFB3; ARVD; FLJ16571; TGF-beta3; transforming growth factor, beta 3

Gene ID 7043

mRNA Refseq NM_003239

Protein Refseq NP_003230

MIM 190230

UniProt ID P10600

Chromosome Location 14q24

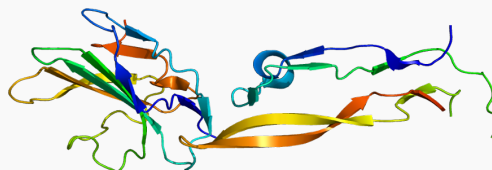
Function Growth factor activity; Identical protein binding; Protein heterodimerization activity; Transforming growth factor beta binding; Type I transforming growth factor beta receptor binding; Type II transforming growth factor beta receptor binding

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on 1ktz.



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