

Active GMP Recombinant Human TGFB3 Protein

Cat. No. TGFB3-104HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB3, Ala301-Ser412, was produced in Sf 9 (baculovirus)-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	301-412 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
Bio-activity	Measured by its ability to inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. Tsang, M. et al. (1995) Cytokine 7:389. The ED50 for this effect is 0.01-0.04 ng/mL. The specific activity of recombinant human TGF-beta 3 is approximately 2.2×10^4 IU/µg, which is calibrated against recombinant human TGF-beta 3 WHO International Standard (NIBSC code: 09/234).
Molecular Mass	Predicted Molecular Mass: 12.7 (monomer) kDa SDS-PAGE: 12 kDa, reducing conditions; 24 kDa, non-reducing conditions
N-terminal Sequence Analysis	Ala301-Leu-Asp-Thr-Asn-Tyr-(Cys)-Phe-Arg-Asn
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.

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Purity	>97%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 50-200 µg/mL in sterile 4 mM HCl.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	TGFB3 transforming growth factor, beta 3 [Homo sapiens]
Official Symbol	TGFB3
Synonyms	TGFB3; transforming growth factor, beta 3; transforming growth factor beta-3; TGF-beta-3; ARVD; TGF-beta3; FLJ16571;
Gene ID	7043
mRNA Refseq	NM_003239

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Protein Refseq	NP_003230
MIM	190230
UniProt ID	P10600

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