

## Active GMP Recombinant Human TGFB3 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TGFB3, Ala301-Ser412, was produced in Sf 9 (baculovirus)-derived in an animal component free process under cGMP guidelines.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	301-412 a.a.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
<b>Bio-activity</b>	<p>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.</p> <p>The specific activity of recombinant human TGF-beta 3 is approximately 2.2 x 10<sup>4</sup> IU/µg, which is calibrated against recombinant human TGF-beta 3 WHO International Standard (NIBSC code: 09/234).</p>
<b>Molecular Mass</b>	<p>Predicted Molecular Mass: 12.7 (monomer) kDa</p> <p>SDS-PAGE: 12 kDa, reducing conditions; 24 kDa, non-reducing conditions</p>
<b>N-terminal Sequence Analysis</b>	Ala301-Leu-Asp-Thr-Asn-Tyr-(Cys)-Phe-Arg-Asn
<b>Endotoxin</b>	<0.01 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>97%, by SDS-PAGE with silver staining.
<b>Storage</b>	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.
<b>Reconstitution</b>	Reconstitute at 50-200 µg/mL in sterile 4 mM HCl.
<b>Quality Statement</b>	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.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## GENE INFORMATION

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

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<b>Protein Refseq</b>	NP_003230
<b>MIM</b>	190230
<b>UniProt ID</b>	P10600

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