

## Active Recombinant Human TGFB2

Cat. No. TGFB2-8328H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TGFB2 was expressed in High-5 Insect Cells.
<b>Species</b>	Human
<b>Source</b>	Hi-5 Insect Cells
<b>Description</b>	Transforming growth factor-beta 2 (TGF-β2) is a secreted protein known as a potent cytokine that modulates embryonic development, bone formation, mammary development, wound healing, hematopoiesis, cell cycle progression and the production of the extracellular matrix.
<b>Bio-activity</b>	The biological activity of Human Transforming Growth Factor-Beta 2 is determined by its ability to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells. The ED50 was found to be 5 x 10 <sup>6</sup> units/mg.
<b>AA Sequence</b>	ALDAAYCFRN VQDNCCLRPL YIDFKRDLGW KWIHEPKGYN ANFCAGACPY LWSSDTQHRSR VLSLYNTINP EASASPCCVS QDLEPLTILY YIGKTPKIEQ LSNMIVKSCK CS
<b>Endotoxin</b>	<1.0 eu/μg="" as="" determined="" by="" the="" lal="">
<b>Purity</b>	>98% by SDS-PAGE and HPLC
<b>Storage</b>	The lyophilized protein should be stored desiccated at -20°C. The reconstituted protein can be stored for at least one week at 4°C. For long-term storage of the

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reconstituted protein, aliquot into working volumes and store at -20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

## GENE INFORMATION

<b>Gene Name</b>	TGFB2 transforming growth factor, beta 2 [ Homo sapiens ]
<b>Official Symbol</b>	TGFB2
<b>Synonyms</b>	TGFB2; transforming growth factor, beta 2; transforming growth factor beta-2; G-TSF; cetermin; polyergin; BSC-1 cell growth inhibitor; glioblastoma-derived T-cell suppressor factor; TGF-beta2; MGC116892;
<b>Gene ID</b>	7042
<b>mRNA Refseq</b>	NM_001135599
<b>Protein Refseq</b>	NP_001129071
<b>MIM</b>	190220
<b>UniProt ID</b>	P61812
<b>Chromosome Location</b>	1q41
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem;

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**Function**

beta-amyloid binding; cytokine activity; growth factor activity; protein binding; contributes\_to protein binding; protein heterodimerization activity; protein homodimerization activity; receptor binding; receptor signaling protein serine/threonine kinase activity; transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding;

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