Active Recombinant Human TGFB2

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

SPECIFICATION

Product Overview	Recombinant Human TGFB2 was expressed in High-5 Insect Cells.
Species	Human
Source	Hi-5 Insect Cells
Description	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.
Bio-activity	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 106 units/mg.
AA Sequence	ALDAAYCFRN VQDNCCLRPL YIDFKRDLGW KWIHEPKGYN ANFCAGACPY LWSSDTQHSR VLSLYNTINP EASASPCCVS QDLEPLTILY YIGKTPKIEQ LSNMIVKSCK CS
Endotoxin	<1.0 eu/μg="" as="" determined="" by="" the="" lal="">
Purity	>98% by SDS-PAGE and HPLC
Storage	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	TGFB2 transforming growth factor, beta 2 [Homo sapiens]
Official Symbol	TGFB2
Synonyms	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;
Gene ID	7042
mRNA Refseq	NM_001135599
Protein Refseq	NP_001129071
MIM	190220
UniProt ID	P61812
Chromosome Location	1q41
Pathway	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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