

Recombinant Human Transforming Growth Factor, Beta 2

Cat. No. TGFB2-348H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Transforming growth factor-beta 2 (TGF- β 2) 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.
Molecular Weight	The predicted molecular weight of Recombinant Human TGF- β 2 is Mr 25 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Biological 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 <0.2 ng/ml, corresponding to a specific activity of >5 x 10 ⁶ units/mg.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

 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

20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

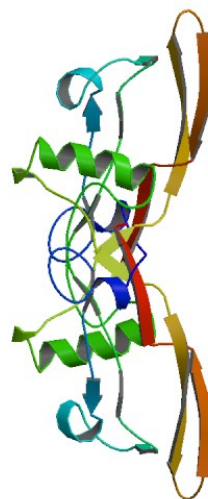
Gene Name	TGFB2 transforming growth factor, beta 2 [Homo sapiens]
Synonyms	TGFB2; transforming growth factor, beta 2; MGC116892; TGF-beta2; transforming growth factor, beta 2
Gene ID	7042
mRNA Refseq	NM_001135599
Protein Refseq	NP_001129071
MIM	190220
UniProt ID	P61812
Chromosome Location	1q41
Pathway	Cell cycle; Chronic myeloid leukemia; Cytokine-cytokine receptor interaction; Dilated cardiomyopathy; Hypertrophic cardiomyopathy (HCM); MAPK signaling pathway; Pathways in cancer; Renal cell carcinoma; TGF-beta signaling pathway; Hemostasis
Function	beta-amyloid binding; cytokine activity; protein heterodimerization activity; growth factor activity; type II transforming growth factor beta receptor binding; receptor signaling protein serine/threonine kinase activity

 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

PDB rendering based
on 1tfg.



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