Active Recombinant Human Transforming Growth Factor, Beta 3

Cat. No. TGFB3-376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Xeno-free TGF beta 3 is expressed from*human 293 cells*as a mature disulfide-linked homodimer with apparent molecular mass of 25 kDa.
Species	Human
Source	HEK293
Description	Transforming growth factor beta-3 is a protein that in humans is encoded by the TGFB3 gene. It has been shown to interact with TGF beta receptor 2. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. The cytokine is greater than 95% pure.
Activity	0.1 to 0.5 ng/mL ED50.
Purity	>95%.
Endotoxin	Endotoxin-free.
Purity Confirmation	The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
Activity Assay	The specific activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2).

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Pathways	Cell cycle; Chronic myeloid leukemia; Colorectal cancer; Cytokine-cytokine receptor interaction; Hypertrophic cardiomyopathy (HCM); MAPK signaling pathway; Pancreatic cancer;Pathways in cancer; Renal cell carcinoma; TGF-beta signaling pathway

GENE INFORMATION

Gene Name	TGFB3 transforming growth factor, beta 3 [Homo sapiens]
Synonyms	Transforming Growth Factor-beta3; TGFB3; ARVD; FLJ16571; TGF-beta3; transforming growth factor, beta 3
Gene ID	7043
mRNA Refseq	NM_003239
Protein Refseq	NP_003230
MIM	190230
UniProt ID	P10600
Chromosome Location	14q24
Function	Growth factor activity; Identical protein binding; Protein heterodimerization activity; Transforming growth factor beta binding; Type I transforming growth factor beta receptor binding; Type II transforming growth factor beta receptor binding
PDB rendering based on 1ktz.	

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