

Recombinant Human Transforming Growth Ffactor, Beta 3

Cat. No. TGFB3-65H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB3 protein encoding amino acids 644-850 and total molecular mass of 50kDa.
Species	Human
Source	E.coli
ProteinLength	644-850 a.a.
Description	Transforming growth factor betas (TGFBetas) mediate many cell-cell interactions that occur during embryonic development. Three TGFBetas have been identified in mammals. TGFBeta1, TGFBeta2 and TGFBeta3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule. This antibody reacts with the precursor and mature form of TGFBeta2 and to a lesser extent TGFBeta3, but does not cross react with TGFBeta1.
Physical Appearance	Sterile Filtered clear solution.
Formulation	100µl purified human TGF Beta 3 protein at 100g/ml in 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% Glycerol.
Application And Suggested Dilutions	(a) ELISA. (b) Western Blotting. (c) Inhibition Assays.

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Storage

TGF-beta 3 Human Recombinant although stable at 40°C for 1 week, should be stored at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

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

Pathway

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

Function

Growth factor activity; Identical protein binding; Protein heterodimerization activity; Transforming growth factor beta binding; Type I transforming growth factor beta

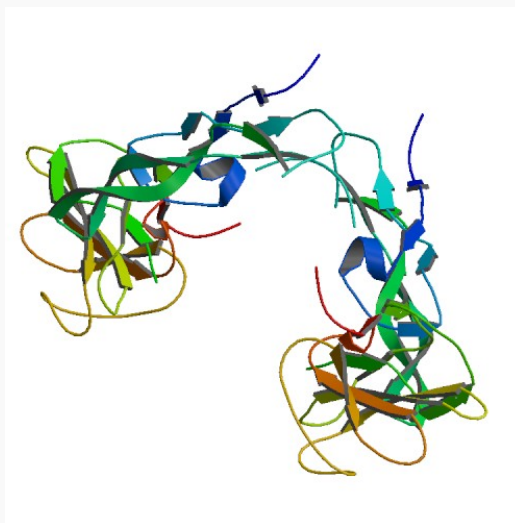
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receptor binding; Type II transforming growth factor beta receptor binding

PDB rendering based
on 1ktz



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