

Bioactive

TGFB3 (Human) Recombinant Protein

Catalog # P9210

Size 5 ug

Specification

Product Description	Human TGFB3 recombinant protein with His tag in N-terminus expressed in <i>Nicotiana benthamiana</i> .
Sequence	HHHHHALD TNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYLRSADTTHTS TVLGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMVKCKCS
Host	<i>Nicotiana benthamiana</i>
Theoretical MW (kDa)	27.2
Form	Lyophilized
Preparation Method	<i>Nicotiana benthamiana</i> expression system
Purification	chromatographic
Purity	> 97% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED ₅₀ < 40 ng/mL, measured in culture by the ability to inhibit the mink lung epithelial (Mv1Lu) cells proliferation, corresponding to a specific activity of 2.5 x 10 ⁴ IU/mg.
Storage Buffer	Protein (1 mg/mL) was lyophilized from a solution containing 50 mM Tris-HCl, pH 7.4. Reconstitute the lyophilized powder in 5 mM HCl, 50 ug/mL BSA to 0.05mg/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — TGFB3

Entrez GeneID	7043
Protein Accession#	P10600
Gene Name	TGFB3
Gene Alias	ARVD, FLJ16571, TGF-beta3
Gene Description	transforming growth factor, beta 3
Omim ID	107970 190230
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the TGF-beta family of proteins. The encoded protein is secreted and is involved in embryogenesis and cell differentiation. Defects in this gene are a cause of familial arrhythmogenic right ventricular dysplasia 1. [provided by RefSeq]
Other Designations	transforming growth factor-beta 3

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](#)

Disease

- [Albuminuria](#)
- [Anodontia](#)
- [Aortic Aneurysm](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Keloid](#)
- [Kidney Diseases](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Pulmonary Fibrosis](#)
- [Sarcoidosis](#)

- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Ventricular Dysfunction](#)