

Bioactive

# TGFB3 (Human/Mouse) Recombinant Protein

Catalog # P6323

Size 100 ug

## Applications

### Result of activity analysis

Result of activity analysis

□

## Specification

|                         |                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Human/Mouse TGFB3 (P10600/P17125) recombinant protein expressed in <i>E.Coli</i> .                                                                                            |
| Sequence                | MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYLRSADTTHSTVLG<br>LYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMVKCKCS                                                            |
| Host                    | Escherichia coli                                                                                                                                                              |
| Theoretical MW (kDa)    | 12.9/25.7                                                                                                                                                                     |
| Form                    | Liquid                                                                                                                                                                        |
| Preparation Method      | This product is produced with no animal or human origin raw products. All processing and handling employs animal free equipment and animal free protocols.                    |
| Purity                  | >= 95%                                                                                                                                                                        |
| Endotoxin Level         | <= 1 EUs/ug (Kinetic LAL)                                                                                                                                                     |
| Activity                | ED <sub>50</sub> <= 1 ng/mL<br>Inhibition of IL-4-induced HT-2 cell proliferation<br><br>The values provided above are minimum expected values to pass internal requirements. |
| Quality Control Testing | Reducing and Non-Reducing SDS PAGE                                                                                                                                            |

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Conformation        | Dimer                                                                            |
| Storage Buffer      | In solution, 10 mM acetic acid and 20% Ethanol at a concentration of 0.25 mg/mL. |
| Storage Instruction | Stored at 4°C for 12 month.<br>Centrifuge vial before opening. Do not vortex.    |
| Note                | Result of activity analysis<br>Result of activity analysis                       |

## Applications

- Western Blot
- Functional Study

## Gene Info — TGFB3

|                    |                                                                                                                                                                                                                                                                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">7043</a>                                                                                                                                                                                                                                                      |
| Protein Accession# | <a href="#">P10600;P17125</a>                                                                                                                                                                                                                                             |
| Gene Name          | TGFB3                                                                                                                                                                                                                                                                     |
| Gene Alias         | ARVD, FLJ16571, TGF-beta3                                                                                                                                                                                                                                                 |
| Gene Description   | transforming growth factor, beta 3                                                                                                                                                                                                                                        |
| Omim ID            | <a href="#">107970</a> <a href="#">190230</a>                                                                                                                                                                                                                             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                         |

## Gene Info — Tgfb3

|                    |                               |
|--------------------|-------------------------------|
| Entrez GeneID      | <a href="#">21809</a>         |
| Protein Accession# | <a href="#">P10600;P17125</a> |

|                    |                                    |
|--------------------|------------------------------------|
| Gene Name          | Tgfb3                              |
| Gene Alias         | MGC118722, Tgfb-3                  |
| Gene Description   | transforming growth factor, beta 3 |
| Gene Ontology      | <a href="#">Hyperlink</a>          |
| Gene Summary       | O                                  |
| 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](#)