Bioactive

TGFB2 (Human) Recombinant Protein

Catalog # P9207 Size 5 ug

Specification

Product Description	Human TGFB2 recombinant protein with His tag in N-terminus expressed in *Nicotiana benthamiana*.
Sequence	HHHHHHALDAAYCFRNVQDNCCLRPLYIDFKRDLGWKWIHEPKGYNANFCAGACPYLWSSDTQH SRVLSLYNTINPEASASPCCVSQDLEPLTILYYIGKTPKIEQLSNMIVKSCKCS
Host	Nicotiana benthamiana
Theoretical MW (kDa)	27.08
Form	Lyophilized
Preparation Method	*Nicotiana benthamiana* expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Activity	ED_{50} ≤ 40 ng/mL, measured in culture by the ability to inhibit the mink lung epithelial (Mv1Lu) cells pr oliferation, 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 th e lyophilized powder in ddH_2O to 100 ug/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

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Gene Info — TGFB2

Entrez GeneID	7042
Protein Accession#	P61812
Gene Name	TGFB2
Gene Alias	MGC116892, TGF-beta2
Gene Description	transforming growth factor, beta 2
Omim ID	190220
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000037528

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

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- Acute Disease
- Asthma
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Cardiovascular Diseases
- Celiac Disease
- Cellulitis
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Edema
- Fractures
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hepatitis C
- Infant
- Keloid
- Liver Cirrhosis
- Lupus Erythematosus
- Malaria
- Multiple Sclerosis
- Myopia

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- Obesity
- Osteoporosis
- Ovarian Failure
- Ovarian Neoplasms
- Parkinson disease
- Polycystic Ovary Syndrome
- Puberty
- Pulmonary Fibrosis
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Thrombophilia
- Tobacco Use Disorder

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