

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 <i>Nicotiana benthamiana</i> .
Sequence	HHHHHHALDAAYCFRNVQDNCCLRPLYIDFKRDLGWKWIHEPKGYNANFCAGACPYLWSSDTQH SRVLSLYNTINPEASASPCCVSQDLEPLTILYIGKTPKIEQLSNMVKSCCKCS
Host	<i>Nicotiana benthamiana</i>
Theoretical MW (kDa)	27.08
Form	Lyophilized
Preparation Method	<i>Nicotiana benthamiana</i> 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 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 ddH ₂ O 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

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

- [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](#)

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