
Recombinant mouse TGF-Beta 1 protein, C-His

Catalog Number: bs-10899P

Concentration: >0.5 mg/ml

AA Seq: 279-390/390

Predicted MW: 12.8

Tags: C-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl with 150mM NaCl.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.3] Hongyun Wang. et al. CKLF induces microglial activation via triggering defective mitophagy and mitochondrial dysfunction. AUTOPHAGY. 2023 Oct 29 Other ; . 37908119

[IF=3.5] Yi Liu. et al. A Novel Pentapeptide From Tilapia Skin Gelatin Gastrointestinal Digests Which Inhibits Scar Formation Through Anti-Inflammatory and Antiangiogenesis. J FOOD BIOCHEM. 2024 Nov;2024(1):8863473 ; . 10.1155/jfbc/8863473

[IF=1.98] Yang L et al. Downregulation of SEMA4C Inhibit Epithelial-Mesenchymal Transition (EMT) and the Invasion and Metastasis of Cervical Cancer Cells via Inhibiting Transforming Growth Factor-beta 1 (TGF-β1)-

Induced Hela cells p38 Mitogen-Activated Protein Kinase (MAPK) Activation. Med Sci Monit. 2020 Jan 17;26:e918123. Other ; Human . 31951596