

Recombinant human/mouse/rat TGF-Beta 3 protein (HEK293)

Catalog Number: bs-47205P

Concentration: >0.5 mg/ml

AA Seq: 300-412/412

Detected MW: Due to glycosylation, the protein migrates to 13-15 kDa based on Tris-Bis PAGE result.

Tags: Tag free

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

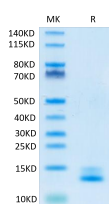
Form: Lyophilized

Storage: Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

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

Background: Transforming growth factor beta 3(TGF β3) is one of three closely related mammalian members of the large TGF β superfamily, TGF-β1, β2, and β3, signal through the same receptor and elicit similar biological responses. The mammalian TGF-β3 controls a vast array of biological processes including immune regulation, cell proliferation, epithelial-mesenchymal transition, and the bone formation. It is generally recognized to facilitate chondrogenic differentiation of precursor cells. It may also have a dose-dependent inhibitory effect on osteogenesis. Recombinant Human TGF-β3 is a 25.0 kDa protein composed of two identical 112 amino acid polypeptide chains linked by a single disulfide bond.

VALIDATION IMAGES



Mature TGF beta 3 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.6] Chen Jiping. et al. Enhanced effects of slowly co-released TGF- β 3 and BMP-2 from biomimetic calcium phosphate-coated silk fibroin scaffolds in the repair of osteochondral defects. J

NANOBIOTECHNOL. 2024 Dec;22(1):1-21 Other ; . 39080653