
Recombinant human TGF-Beta 3 protein (Active, HEK293)

Catalog Number: bs-48031P

Concentration: >0.5 mg/ml

AA Seq: 1-112/112

Detected MW: 25 kDa

Tags: Tag free

Activity: Yes

Endotoxin: <0.5 EU/μg as determined by LAL.

Purity: >95% as determined by SDS-PAGE

Purification: AC

Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80°C under sterile conditions after reconstitution.

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.