

Recombinant human TGF- β 3 protein (Active, CHO)

Catalog Number: bs-48065P

Species: Human

AA Seq: 301-412/412

Predicted MW: 13

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 10 EU/mg

Purity: $\geq 95\%$ as determined by SDS-PAGE.

Purification: AC

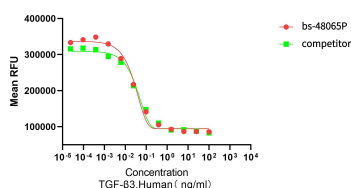
Form: Lyophilized

Storage: 100mM Glycine, 150mM NaCl, 5% Mannitol and 0.01% Tween 80, pH4.0

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

Background: Transforming growth factor beta 3(TGF β 3) is one of three closely related mammalian members of the large TGF β superfamily, TGF- β 1, β 2, and β 3, signal through the same receptor and elicit similar biological responses. The mammalian TGF- β 3 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- β 3 is a 25.0 kDa protein composed of two identical 112 amino acid polypeptide chains linked by a single disulfide bond.

VALIDATION IMAGES



Measured in a cell inhibition assay using TF-1 cells at IL4 presence. The ED50 for this effect is ≤ 0.2 ng/mL.