

Recombinant human TGF Beta 1 protein,N-His (HEK293)

Catalog Number: bs-43092P

Concentration: >0.5 mg/ml

AA Seq: 30-390/390

Predicted MW: 43.3

Tags: N-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Storage: 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.

VALIDATION IMAGES



The purity of the protein is greater than 80% as determined by reducing SDS-PAGE.