



Recombinant human TGF- β **Human transforming growth factor** **Catalog # KPG- RPHTGF**

TGF- β is an important cytokine produced by several cells, such as macrophages and T regulatory lymphocytes. This is an important cytokine to induce differentiation of T regulatory cells and Th17. It also participates in the pathogenesis of cancers. The cytokine has a molecular mass each of 27 kilo Daltons. Recombinant human TGF- β can be intended for use in *in vivo* and *in vitro* applications. Recombinant human TGF- β is produced in E. coli BL21 transfected with the full-length sequence for the human TGF- β gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human TGF- β

Storage and stability:

- Recombinant human TGF- β is shipped and stored at -20°C.

- Upon receipt, add 500 uL sterile distilled water and prepare aliquots of recombinant human TGF- β and store at -20°C for 12 months. If you need more concentration decrease the volume for sterile distilled water.

Note: Avoid repeated freeze-thaw cycles.

Quality control

- Purity greater than 98% as determined by SDS-PAGE.
- Endotoxin levels <0.1 EU/ μ g as determined using a kinetic chromogenic LAL assay.
- Biological activity was not tested.
- Did not Sterile. Please sterile after reconstitution using 0.22 μ m filter.
- Expression system: E. coli BL21 strain
- Accession: P01137.2
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 27 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: \approx 27 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant human TGF- β needs to be sterilized by filtered from 0.22 μ m filter.

Solubility: 20 μ g/ml in water

RELATED PRODUCTS

Recombinant Human IL-1 β
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