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Recombinant Human TGFβ1

Product Number: CK04201

Characteristics:

Source: Chinese Hamster Ovary cell line

Description: Human TGF-β1 (Ala279-Ser390)

Accession #: P01137

Predicted molecular mass: 12.8 kDa (monomer)

Specification:

Appearance: White powder, Colorless clear liquid after reconstitution

Purity: ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

Endotoxin: ≤10 EU/mg by the LAL method

Activity: Measured in a cell inhibition assay using TF-1 cells at IL4 presence. The ED50 for this effect is ≤0.1ng/mL.

Formulation: Lyophilized from a 0.22 μm-filtered solution containing 100 mM Glycine, 150 mM NaCl, 5% mannitol and 0.01% Tween 80, pH 4.0

Size: 50 μg/vial, 1 mg/vial

Handling and Storage:

Reconstitution: It is recommended to redissolve in sterile deionized water.

Shipping: The product is shipped with blue ice.

Storage & Stability: 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. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.