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## Recombinant Human TGF- $\beta$ 1

Product Number: CK04241

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### Characteristics:

**Source:** HEK293

**Description:** Human TGF- $\beta$ 1 (Ala279-Ser390)

**Accession #:** P01137

**Predicted molecular mass:** 12.8kDa (monomer)

### Specification:

**Appearance:** White powder, Colorless clear liquid after reconstitution

**Purity:**  $\geq 95\%$ , by SDS-PAGE (conditions, visualized by Coomassie staining)

**Endotoxin:**  $\leq 10$  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  $\leq 0.1$  ng/mL.

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution containing 100 mM Glycine, 5% mannitol and 0.01% Tween 80, pH 7.4

**Size:** 50  $\mu$ g/vial, 1 mg/vial

### Handling and Storage:

**Reconstitution:** It is recommended to redissolve in 4mM HCl.

**Shipping:** The product is shipped with blue ice.

**Storage & Stability:** 36 months at 2°C to 8°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.