

## Certificate of Analysis

**Product Name:** Recombinant Human TGF- $\beta$ 1  
**Cat No:** HST-TB1-0010, HST-TB1-0100, HST-TB1-1000  
**Lot No:** SI6006  
**Size:** 10ug/vial, 100ug/vial, 1000ug/vial

**Source:** Human cells derived

**Structure:** Non-glycosylated homodimer

**Purity:** >95% by SDS-PAGE

**Specific Activity:** 0.1-0.5 ng/ml for ED50 measured by its ability to inhibit the IL-4 induced proliferation in mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2).

**Endotoxin Level:** <0.5EU/ug by LAL assay

**Molecular Weight:** 25kDa

**Formulation:** Lyophilized from a 0.2 $\mu$ m filtered solution in 10mM NaOAc without carrier protein.

**Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

**Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 4mM HCL containing 0.1% endotoxin-free recombinant human serum albumin.

**Storage Condition:** Upon reconstitution, store at 2-8°C for up to one month under aseptic condition. For long term storage, aliquot and store at -80°C is recommended for retention of full activity. Avoid repeated freeze/thaw cycles.

### Authorization

Released by:  \_\_\_\_\_

### Limited Use and Restrictions

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