

Recombinant Human TGF- β 1

CATALOG #: 4342-5 5 μ g
 4342-50 50 μ g
 4342-500 500 μ g

LOT #: _____

SOURCE: CHO cells

PURITY: >98% by SDS-PAGE and HPLC analyses
 Endotoxin level is <0.1 ng per μ g (1EU/ μ g).

MOL. WEIGHT: 25.0 kDa

FORM: Lyophilized from Sodium Citrate buffer, pH 3.5

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitution in water to a concentration of 50 μ g/ml (e.g., 5 μ g/100 μ l) will yield a solution of 1 mM citrate buffer (pH 3.5). The solution can then be stored at 4°C for 1 month. It is recommended that further dilutions be made in PBS containing 2 mg/ml albumin and stored at -20°C.

STORAGE CONDITIONS:

The lyophilized TGF- β 1 is best-stored at -20°C. Reconstituted TGF- β 1 should be stored in working aliquots at -20°C.

DESCRIPTION:

TGF- β ₁ (Transforming Growth Factor-beta 1) is a member of the superfamily of homologous, disulfide-linked, homodimeric proteins that regulate the proliferation and differentiation of normal and transformed cells. Human TGF- β 1 is a 25.0 kDa protein containing two identical 112 amino acid polypeptide chains linked by a single disulfide bond.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the ability of TGF- β 1 to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells is \leq 0.05 ng/ml, corresponding to a specific activity of \geq 2 x 10⁷ units/mg.

USAGE: For Research Use Only! Not to be used in humans.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
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