

Recombinant Human TGF- β 2

CATALOG #:	4340-5	5 μ g
	4340-50	50 μ g
	4340-1000	1 mg
LOT #:		
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per μ g of TGF- β 2.	
MOL. WEIGHT:	25.0 kDa	
FORM:	Lyophilized without additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 1 mM Citrate buffer (pH 3.5) to a concentration of 100-1000 μ g/ml. The solution can then be stored at 4°C for 1 month. It is recommended that further dilutions be made into PBS containing 2 mg/ml albumin and stored at -20°C.

STORAGE CONDITIONS:

The lyophilized TGF- β 2 is best-stored desiccated below 0°C. Reconstituted TGF- β 2 should be stored in working aliquots at -20°.

DESCRIPTION:

TGF- β 2 (Transforming Growth Factor-beta 2) 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 2 is a 25 kDa protein with each subunit containing 112 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the ability of TGF- β 2 to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells is \leq 0.2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ units/mg.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

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

Cell Fractionation System

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

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies