

## Recombinant Human TGF- $\beta$ 2

<b>CATALOG #:</b>	4343-5
<b>AMOUNT:</b>	5 $\mu$ g
<b>LOT #:</b>	_____
<b>SOURCE:</b>	<i>Baculovirus</i> infected High-5 cells
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per $\mu$ g of TGF- $\beta$ 2.
<b>MOL. WEIGHT:</b>	25.0 kDa
<b>FORM:</b>	Lyophilized from Sodium Citrate, pH3.5 buffer

**RECONSTITUTION:**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 50  $\mu$ g/ml (e.g., 5  $\mu$ g/100 $\mu$ l). This 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 into PBS containing 2 mg/ml albumin and stored at -20°C.

**STORAGE CONDITIONS:**

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

**DESCRIPTION:**

TGF- $\beta$ 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- $\beta$ 2 is a 25 kDa protein with each subunit containing 112 amino acid residues.

**BIOLOGICAL ACTIVITY:**

The ED<sub>50</sub> as determined by the ability of TGF- $\beta$  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 x 10<sup>6</sup> units/mg.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

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

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

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- CETP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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