

Recombinant Human TGF- β 2

CATALOG #: 4340-5 5 μ g
4340-50 50 μ g
4340-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

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 x 10⁶ units/mg.

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

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- 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
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