

# Human TGFB1 Recombinant Protein



RPPB0984

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## Product Information    Protein Information

**Product SKU:**

RPPB0984

**Accession:**

P01137

**Host:**

Human Platelets.

**Protein description:**

Human Transforming Growth Factor-beta 1 purified from Human Platelets having a molecular mass of 25kDa. The TGF-b 1 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered lyophilized powder.

**Synonyms:**

Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1.

**Formulation:**

TGF-Beta1 protein was lyophilized from a solution containing 30% acetonitrile and 0.1% trifluoroacetic acid.

**Purity:**

Greater than 98.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute lyophilized TGF-beta 1 in 0.5% BSA in 0.1N acetic acid, which can then be further diluted to the desired aliquot with 30% acetonitrile and 0.1% trifluoroacetic acid.

**Stability:**

Lyophilized TGF-beta 1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-beta 1 should be stored at 4°C between 2-7 days and for future use below -18°C. DO NOT RECONSTITUTE WITH NEUTRAL BUFFERS. DO NOT USE GLASS IMPLEMENTS OR EXTENSIVE MANIPULATIONS. PREVENT FREEZE THAW CYCLES.

**Biological Activity:**

Stimulates the growth of NRK-1 cells in soft agar at concentrations ranging from 0.1 to 5ng/ml corresponding to a specific activity of 200,000-10,000,000IU/mg. Effective concentration ranges must be experimentally determined. Purified EGF and/or TGF- must be present for observation of the biological activity.