

RPPB0974

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## Product Information    Protein Information

**Product SKU:**

RPPB0974

**Accession:**

P61812

**Host:**

HEK.

**Protein description:**

TGF-b 2 Human Recombinant produced in HEK cells is a non-glycosylated homodimer, having a total molecular weight of 25kDa. The TGF-b 2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Transforming growth factor, beta 2, cetermin, Glioblastoma-derived T-cell suppressor factor, polyergin, G-TSF, TGF-beta2, TGF-beta-2, transforming growth factor beta-2, BSC-1 cell growth inhibitor, TGFB-2.

**Formulation:**

TGF-b 2 was lyophilized from a 0.2µm filtered solution containing 50mM sodium acetate pH 4.5.

**Purity:**

Greater than 95% as observed by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized TGF-b 2 in sterile solution containing 20% ethanol, 50mM sodium acetate and 75mM acetic acid.

**Stability:**

Lyophilized TGF-b 2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-b 2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Biological Activity:**

The specific activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2), the ED50 is 0.16ng/ml.