

Human TGFB1 Recombinant Recombinant Protein



RPPB0968

Product Information Protein Information

Product SKU:

RPPB0968

Accession:

P01137

Host:

CHO cells.

Protein description:

TGFB1 Human Recombinant produced in CHO cells is a glycosylated homodimeric polypeptide chain containing 2 x 112 amino acids and having a total molecular mass of 25.6kDa. The TGFB1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1, LAP, TGFB1.

Formulation:

Lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA) And trehalose (1:20 protein to Trehalose ratio).

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized TGFB1 in sterile 10mM HCl at a concentration of 0.1 mg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TGFB1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFB1 Human 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.

Amino Acid Sequence:

ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLIVY YVGRKPKVEQ LSNMIVRSCK CS.

Biological Activity:

The ED50 as determined by the dose-dependent inhibition of IL-4-induced proliferation of HT-2 cells is 0.148ng/ml, corresponding to a specific activity of 6.8x10⁶units/mg.