

DATA SHEET**Recombinant Human TGF- β 1**

Code Number#KT-240-B

Source:	Chinese Hamster Ovary cell line, CHOderived
N-Terminal Sequence: Analysis	Ala279
Structure / Form:	Disulfide linked homodimer
Predicted Molecular: Mass	12.8 kDa (monomer)
SDSPAGE:	12 kDa, reducing conditions 24 kDa, non-reducing conditions
Activity:	Measured by its ability to inhibit the IL4dependent proliferation of HT2 mouse T cells. Tsang, M. et al. (1995) Cytokine 7:389. The ED50 for this effect is 0.040.2 ng/mL. The specific activity of Recombinant Human TGF β 1 is approximately 2.5 x 10 ⁴ U/ μ g, which is calibrated against human TGF β 1 Standard (NIBSC code: 89/514).
Endotoxin Level:	<0.10 EU per 1 μ g of the protein by the LAL method.
Purity:	>97%, by SDSPAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Formulation:	Lyophilized from a 0.2 μ m filtered solution in Acetonitrile and TFA with BSA as a carrier protein. See Certificate of Analysis for details.
Reconstitution:	Purified recombinant human TGF β 1 is an extremely hydrophobic protein that adheres strongly to surfaces. To ensure recovery, reconstitute at 20 μ g/mL in sterile 4 mM HCl containing 1 mg/mL human or bovine serum albumin.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below

For In-Vitro Diagnostic Use only. Not for human or animal consumption.