

Human tPA Recombinant Protein



RPPB2334

Product Information Protein Information

Product SKU:

RPPB2334

Accession:

P00750

Host:

Chinese Hamster
Ovary Cells (CHO)

Protein description:

Tissue Plasminogen Activator Human Recombinant produced in CHO cells is a single, glycosylated polypeptide chain containing 527 amino acids and having a molecular mass of 59008.71 Dalton. tPA is a serine protease enzyme that converts plasminogen to plasmin. The tPA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Tissue-type plasminogen activator, EC 3.4.21.68, tPA, t-PA, t-plasminogen activator, TPA, T-PA, DKFZp686I03148.

Formulation:

Each mg of t-PA contains 1.7 gr L-arginine, 0.5 gr phosphoric acid and 4 mg tween 80.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized t-PA in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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