

PLAT

Recombinant Human Tissue Plasminogen Activator

Catalog No.	CRT171B	Quantity:	100 µg
	CRT171C		1.0 mg

Alternate Names: Plasminogen Activator Tissue, T-Plasminogen Activator, T-PA, tPA

Description: Tissue Plasminogen Activator (tPA/PLAT) is a secreted serine protease that converts the proenzyme Plasminogen to Plasmin, a fibrinolytic enzyme. tPA is synthesized as a single chain which is cleaved by Plasmin to a two chain disulfide linked protein. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding. Decreased activity leads to hypofibrinolysis, which can result in thrombosis or embolism.

Recombinant Human tPA is >95% two-chain and is activated from the single-chain form with immobilized Plasmin. It has 100% complex formation with Human PAI1.

Concentration: 1 mg/ml

Gene ID: 5327

Source: CHO cells

Molecular Weight: 70 kDa

Formulation: Frozen Liquid in 0.4 M HEPES + 0.1 M NaCl, pH 7.4

Purity: >95% by SDS-PAGE

Storage & Stability: Store in working aliquots at -80°C. Product is stable for 3 years from date of delivery when stored as directed. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

