

TPA, Human Recombinant

CATALOG NO:	P1324-20 20 µg P1324-100 100 µg P1324-1000 1 mg
ALTERNATE NAMES:	Tissue-type plasminogen activator, EC 3.4.21.68, tPA, t-PA, t-plasminogen activator, TPA, T-PA, DKFZp686l03148.
SOURCE:	Chinese Hamster Ovary Cells (CHO)
PURITY:	≥ 98.0% by SDS-PAGE and RP-HPLC analysis
MOL. WEIGHT:	59 kDa
FORM:	Sterile Filtered White lyophilized (freeze-dried) powder
FORMULATION:	Each mg of t-PA contains 1.7 g L-arginine, 0.5 g phosphoric acid and 4 mg tween 80.
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.
RECONSTITUTION:	It is recommended to reconstitute the lyophilized t-PA in sterile 18 MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
DESCRIPTION:	Tissue plasminogen activator (PLAT or tPA) is a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Plasminogen is synthesized as a single chain which is cleaved by PLAT into the two chain disulfide linked plasmin. 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. 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 59 kDa. tPA is a serine protease enzyme that converts plasminogen to plasmin. The tPA is purified by proprietary chromatographic techniques.

RELATED PRODUCTS:

- FGR, Active (**Cat. No. 7724**)
- Human Recombinant PAI-1 (**Cat. No. 6377**)
- PAI-1 Antibody (**Cat. No. 5579**)
- Serpin E1/PAI-1, human recombinant (**Cat. No. 4731**)
- TM-5275 Sodium salt (**Cat. No. B1884**)
- TPA (311-562), Human Recombinant (**Cat. No. P1322**)
- TPA (36-310), Human Recombinant (**Cat. No. P1323**)
- TPA, Human Recombinant (Sf9) (**Cat. No. P1325**)
- UK-371804 (**Cat. No. B1843**)

FOR RESEARCH USE ONLY! Not to be used on humans