

## TPA (36-310), Human Recombinant

<b>CATALOG NO:</b>	P1323-5      5 µg P1323-50     50 µg
<b>ALTERNATE NAMES:</b>	Tissue-type plasminogen activator, EC 3.4.21.68, tPA, t-PA, t-plasminogen activator, TPA, T-PA, DKFZp686I03148, PLAT and tPA, Alteplase, Reteplase, Plasminogen Activator, Tissue, Plasminogen/Activator Kringle.
<b>SOURCE:</b>	Sf9, Baculovirus cells
<b>PURITY:</b>	≥ 90.0% by SDS-PAGE
<b>MOL. WEIGHT:</b>	32.0 kDa
<b>FORM:</b>	Sterile Filtered colorless solution
<b>FORMULATION:</b>	TPA protein solution (0.25 mg/ml) contains 50 mM MES (pH5.5), 10% glycerol, 100 mM NaCl and 5 mM CaCl <sub>2</sub> .
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freezing and thawing cycles.
<b>RECONSTITUTION:</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time and for long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>DESCRIPTION:</b>	<p>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. TPA Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 284 amino acids (36-310 a.a.) and having a molecular mass of 32.0 kDa (Molecular size on SDS-PAGE will appear at approximately 28-40 kDa).</p> <p>TPA is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.</p>

### 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, Human Recombinant (**Cat. No. P1324**)
- TPA, Human Recombinant (Sf9) (**Cat. No. P1325**)
- UK-371804 (**Cat. No. B1843**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**