

TPA, Human Recombinant (Sf9)

CATALOG NO:	P1325-5 5 µg P1325-50 50 µg
ALTERNATE NAMES:	Tissue-type plasminogen activator, EC 3.4.21.68, tPA, t-PA, t-plasminogen activator, TPA, T-PA, DKFZp686I03148, PLAT and tPA.
SOURCE:	Sf9, Baculovirus cells
PURITY:	≥ 90.0% by SDS-PAGE
MOL. WEIGHT:	61.3 kDa
FORM:	Sterile Filtered colorless solution
FORMULATION:	tPA protein solution (0.25 mg/ml) containing 50 mM MES buffer(pH 5.5), 40% glycerol, 5 mM CaCl ₂ , 1mM DTT and 0.5 M NaCl.
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.
RECONSTITUTION:	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).
DESCRIPTION:	<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 545 amino acids (24-562 a.a) and having a molecular mass of 61.3 kDa (Molecular size on SDS-PAGE will appear at approximately 50-70 kDa).</p> <p>tPA is fused to a 6 amino acid His-tag at C-terminus & 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 (36-310), Human Recombinant (**Cat. No. P1323**)
- TPA, Human Recombinant (**Cat. No. P1324**)
- UK-371804 (**Cat. No. B1843**)

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