

Tissue Plasminogen Activator Human Recombinant, Sf9

Item Number	rAP-1903
Synonyms	Tissue-type plasminogen activator, EC 3.4.21.68, tPA, t-PA, t-plasminogen activator, TPA, T-PA, DKFZp686l03148, PLAT and tPA.
Description	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 61.3kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).tPA is fused to a 6 amino acid His-tag at C-terminus &
Uniprot Accesion Number	P00750
Amino Acid Sequence	QEIHARFRRG ARSYQVICRD EKTQMIYQQH QSWLRPVLRS NRVEYCWCNS GRAQCHSVPV KSCSEPRCFN GGTCQQALYF SDFVCQCPEG FAGKCCEIDT RATCYEDQGI SYRGTWSTAE SGAECT- NWNS SALAQKPYSG RRPDAIRLGL GNHNYCRNPD RDSKPWCYVF KAGKYSSEFC STPACSEGNS DCYFGNGSAY RGTHSLTESG ASCLPWNSMI LIGKVYTAQN PSAQALGLGK HNYCRNPDGD AKPWCHVLKN RRLTWEYCDV PSCSTCGLRQ YSQPQFRIKG GLFADIASHP WQAAIFAKHR RSPGERFLCG GILISSCWIL SAAHCFQERF PPHHLTVILG RTYRVVPGEE EQKFEVEKYI VHKEFDDDTY DNDIALLQLK SDSSRCAQES SVVRTVCLPP ADLQLPDWTE CELSGYGKHE ALSPFYSERL KEAH- VRLYPS SRCTSQHLLN RTVTDNMLCA GDTRSGGPQA NLHDACQGDS GGPLVCLNDG RMTLVGIIISW
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	tPA protein solution (0.25mg/ml) containing 50mM MES buffer(pH 5.5), 40% glycerol, 5mM CaCl ₂ , 1mM DTT and 0.5M NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**