

Tissue Plasminogen Activator (311-562 a.a.) Human Recombinant

Item Number	rAP-1904
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 261 amino acids (311-562 a.a.) and having a molecular mass of 29.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).TPA is expressed with a 6 amino acid His tag at C-Terminus and
Uniprot Accession Number	P00750
Amino Acid Sequence	ADPIKGGGLFA DIASHPWQAA IFAKHRRSPG ERFLCGGILI SSCWILSAAH CFQERFPPHH LTVILGRTYR VVPGEEEQKF EVEKYIVHKE FDDDTYDNDI ALLQLKSDSS RCAQESSVVR TVCLPPADLQ LPDW-TECELS GYGKHEALSP FYSERLKEAH VRLYPSSRCT SQHLLNRTVT DNMLCAGDTR SGGPQANLHD ACQGDSSGGL VCLNDGRMTL VGIIISWGLGC GQKDVPGVYT KVTNYLDWIR DNMRPHHHHH H.
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 (0.5mg/ml) contains 50mM MES (pH 5.0), 5mM CaCl ₂ , 1mM DTT, 0.5M NaCl and 30% glycerol. Greater than 95.0% 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**