

DATA SHEET

Tissue Plasminogen Activator (36-310 a.a.) Human Recombinant

Item Number	rAP-1905
Synonyms	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.
Description	TPA Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 284 amino acids (36-310a.a.) and having a molecular mass of 32.0kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).TPA is expressed with a 6 amino acids His tag at C-
Uniprot Accesion Number	P00750
Amino Acid Sequence	ADPSYQVICR DEKTQMIYQQ HQSWLRPVLR SNRVEYCWCN SGRAQCHSVP VKSCSEPRCF NGGTCQQALY FSDFVCQCPE GFAGKCCEID TRATCYEDQG ISYRGTWSTA ESGAECTNWN SSALAQKPYS GRRPDAIRLG LGNHNYCRNP DRDSKPWCYV FKAGKYSSEF CSTPACSEGN SDCYFGNGSA YRGTHSLTES GASCLPWNSM ILIGKVYTAQ NPSAQALGLG KHNYCRNPDG DAKPWCHVLK NRRLTWEYCD VPSCSTCGLR QYSQPQFRHH HHHH.
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) contains 50mM MES(pH5.5),10% glycerol, 100mM NaCl and 5mM CaCl2. 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