

Non-enzymatic non-cleavable Recombinant Human tPA

Cat. No. PLAT -80H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human tPA with a double mutation that is permanently single chain and lacks catalytic activity. The non-catalytic mutation site is S478A on the mature protein and S513A on the complete mRNA sequence (UniProtKB: locus TPA_HUMAN, accession P00750). The non-cleavable mutation site is R275E on the mature protein and R310E on the complete mRNA sequence (UniProtKB: locus TPA_HUMAN, accession P00750). Recombinantly produced in insect cells.
Species	Human
Source	Insect Cells
Form	Frozen liquid
Molecular Mass	70,000
Purity	>95% by SDS-PAGE analysis
Usage	For in vitro laboratory use only
Notes	Optimal experimental conditions and working dilutions must be determined by the end user. Sample concentration and volume are for example purposes only and do not necessarily represent the product that will be received. Please contact us for a current lot-specific product datasheet.
Storage	-70°C

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Concentration	2.0 mg/ml
Storage Buffer	0.4M HEPES; 0.1M NaCl; pH 7.4
Shipping	Dry ice

GENE INFORMATION

Gene Name	PLAT plasminogen activator, tissue [Homo sapiens]
Official Symbol	PLAT
Synonyms	PLAT; plasminogen activator, tissue; tissue-type plasminogen activator; alteplase; reteplase; t-plasminogen activator; plasminogen activator, tissue type; tissue plasminogen activator (t-PA); TPA; T-PA; DKFZp686I03148;
Gene ID	5327
mRNA Refseq	NM_000930
Protein Refseq	NP_000921
MIM	173370
UniProt ID	P00750
Chromosome Location	8p11.21
Pathway	Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved

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biosystem; Dissolution of Fibrin Clot, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Hemostasis, organism-specific biosystem;

Function

peptidase activity; protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity;

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