

Recombinant Pig Plasminogen Activator, Tissue

Cat. No. PLAT-1293P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant active pig PLAT that is >95% active.
Species	Pig
Source	Insect Cells
Description	Tissue plasminogen activator (abbreviated tPA or PLAT) is a protein involved in the breakdown of blood clots. It is a serine protease found on endothelial cells, the cells that line the blood vessels. As an enzyme, it catalyzes the conversion of plasminogen to plasmin, the major enzyme responsible for clot breakdown. Because it works on the clotting system, PLAT is used in clinical medicine to treat only embolic or thrombotic stroke. Use is contraindicated in hemorrhagic stroke and head trauma.
Form	Frozen liquid in 0.4M HEPES Buffer + 0.1 M NaCl, pH 7.4
Molecular Weight	70.0 kDa
Concentration	1.0mg/ml
Purity	>95% by SDS-PAGE analysis
Endotoxin Level	< 0.1 ng/g of protein
Storage	Store at -80°C. Stable for 3 years from delivery. Avoid repeated freeze-thaw cycles.

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OfficialSymbol PLAT

GENE INFORMATION

Gene Name PLAT plasminogen activator,tissue [*Sus scrofa*]

Synonyms PLAT; plasminogenactivator, tissue; tissue-type plasminogen activator; tPA; t-PA;T-plasminogen activator; EC 3.4.21.68

Gene ID 397121

mRNA Refseq NM_214054

Protein Refseq NP_999219

UniProt ID Q8SQ23

Chromosome Location 17; 17

Pathway Complement andcoagulation cascades

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

PDB rendering basedon 1a5h.

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