

Recombinant Rat Plasminogen Activator, Tissue

Cat. No. Plat-5462R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Platand > 85% single chain, > 95% active.
Species	Rat
Source	Insect Cells
Description	Tissue plasminogenactivator (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	Liquid in 0.4 M HEPES + 0.1 M NaCl, pH 7.4
Molecular Weight	70.0 kDa
Concentration	2.0 mg/ml
Storage	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	Plat

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Plat plasminogen activator,tissue [<i>Rattus norvegicus</i>]
Synonyms	Plat; plasminogenactivator, tissue; tPA; PATISS; tissue-type plasminogen activator; t-PA;t-plasminogen activator; tissue plasminogen activator; EC 3.4.21.68
Gene ID	25692
mRNA Refseq	NM_013151
Protein Refseq	NP_037283
UniProt ID	P19637
Chromosome Location	16q12.5
Pathway	Blood ClottingCascade; Complement and Coagulation Cascades; Dissolution of Fibrin Clot;Endochondral Ossification; Hemostasis; Senescence and Autophagy; SignalTransduction; Signaling by PDGF
Function	Molecular function;peptidase activity; serine-type endopeptidase activity
PDB rendering basedon 1a5h.	