

# Recombinant Rat Plasminogen Activator, Tissue

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

## SPECIFICATION

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

## GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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