

## Plat

### Recombinant Mouse Tissue Plasminogen Activator Active

<b>Catalog No.</b>	CRT177B CRT177C	<b>Quantity:</b>	100 µg 1.0 mg
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**Alternate Names:** T-Plasminogen Activator, PLAT, T-PA

**Description:** Tissue Plasminogen Activator (tPA/PLAT) is a secreted serine protease which converts the proenzyme Plasminogen to Plasmin, a fibrinolytic enzyme. tPA is synthesized as a single chain which is cleaved by Plasmin to a two chain disulfide linked protein. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism.

**Gene ID:** 18791

**Concentration:** 1.4 mg/mL

**Source:** Insect cells

**Molecular Weight:** 70.0 kDa

**Formulation:** Frozen Liquid in 0.4 M HEPES + 0.1 M NaCl, pH 7.4

**Biological Activity:** >95% active

**Specific Activity:** 4.4 x 10E7 U/mL (3.1 x 10E7 U/mg). Activity determined by chromogenic substrate, relative to WHO International Standard for Human Recombinant Tissue Plasminogen Activator, NIBSC 98/714

**Storage & Stability:** Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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