

PLAT

Recombinant Human Tissue Plasminogen Activator Active

Catalog No.	CRT170B CRT170C	Quantity:	100 µg 1 mg
Alternate Names:	T-PA, TPA		
Description:	<p>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.</p> <p>Recombinant Human Tissue Plasminogen Activator is a 527 amino acid glycoprotein.</p>		
Gene ID:	5327		
UniProKB:	P00750		
Concentration:	≥ 2.0 mg/mL		
Source:	CHO cells		
Molecular Weight:	70 kDa, apparent by SDS-PAGE		
Formulation:	Frozen Liquid in 0.4 M HEPES, 0.1 M NaCl, pH 7.4		
Purity:	>95% by SDS-PAGE		
Extinction Coefficient:	$E^{0.1\%}_{280\text{nm}} = 1.9$		
Biological Activity:	Recombinant Human tPA is fully active, >85% single chain.		
Specific Activity:	≥ 5 x 10 ⁵ IU/mg (Relative to WHO International Standard for Human Recombinant Tissue Plasminogen Activator, NIBSC 98/714)		
Storage & Stability:	Store in working aliquots at -80 °C for up to one year. Avoid repeated freeze-thaw cycles.		

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

