

## Native Human Human SERPINE1

Cat. No. PLAT-29690TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Full length Human PAI1 purified from E. coli reacted with full length Human PLAT purified from CHO cells; MWt 113kDa.
<b>Species</b>	Human
<b>Description</b>	<p>This gene encodes tissue-type plasminogen activator, a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Tissue-type plasminogen activator 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. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.</p>
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 0.4M HEPES, 0.1M Sodium chloride, pH 7.4
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

<b>Gene Name</b>	PLAT plasminogen activator, tissue [ Homo sapiens ]
<b>Official Symbol</b>	PLAT
<b>Synonyms</b>	PLAT; plasminogen activator, tissue; tissue-type plasminogen activator;
<b>Gene ID</b>	5327
<b>mRNA Refseq</b>	NM_000930
<b>Protein Refseq</b>	NP_000921
<b>MIM</b>	173370
<b>Uniprot ID</b>	P00750
<b>Chromosome Location</b>	8p11.21
<b>Pathway</b>	Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Dissolution of Fibrin Clot, organism-specific biosystem;
<b>Function</b>	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity;

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