

Recombinant Human Tissue-type plasminogen activator/TPA/PLAT Protein

RPCB0722

Product Information

Product SKU:	RPCB0722	Gene ID:	5327	Size:	10µg
Tag:	C-6×His	Reactivity:	Human		

Additional Information

Expression Host:	HEK293 cells	Swissprot:	P00750
Purity:	> 95% by SDS-PAGE.		

Protein Information

Background: Tissue-type plasminogen activator (PLAT) is a protein that secreted into extracellular space. PLAT contains five domains:EGF-like domain, fibronectin type-I domain, 2 kringle domains and peptidase S1 domain. It belongs to the peptidase S1family. The main function of this protein is to convert plasminogen into biologically active plasmin. As a protease, PLATplays a crucial role in regulating blood fibrinolysis, maintaining the homeostasis of extracellular matrix and in modulatingthe post-translational activation of growth factors. PLAT is found not only in the blood, where its primary function is as athrombolytic enzyme, but also in the central nervous system (CNS). It participates in a number of physiological andpathological events in the CNS, as well as the role of neuroserpin as the natural regulator of PLAT's activity in theseprocesses. Increased or decreased activity of PLAT leads to hyperfibrinolysis or hypofibrinolysis, respectively. In addition, asa cytokine, PLAT plays a pivotal role in the pathogenesis of renal interstitial fibrosis through diverse mechanisms. Thus, as afibrogenic cytokine, it promotes the progression of kidney diseases.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human Tissue-type plasminogen activator/TPA/PLAT Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 1 EU/µg of the protein by LAL method.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 0.2mM CaCl₂, pH 5.5. Contact us for customized product form or formulation.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.