PRODUCT INFORMATION

Target	PLAT
Synonyms	T-PA;TPA
Description	Recombinant Human PLAT Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P00750
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	PLAT(Ser36-Pro562) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 59.9 kDa after removal of the signal peptide. The apparent molecular mass of PLAT-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes tissue-type plasminogen activator, a secreted serine protease that converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. The encoded preproprotein is proteolytically processed by plasmin or trypsin to generate heavy and light chains. These chains associate via disulfide linkages to form the heterodimeric enzyme. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding, while decreased activity leads to hypofibrinolysis, which can result in thrombosis or embolism. Alternative splicing of this gene results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]
Usage	Research use only
Conjugate	Unconjugated

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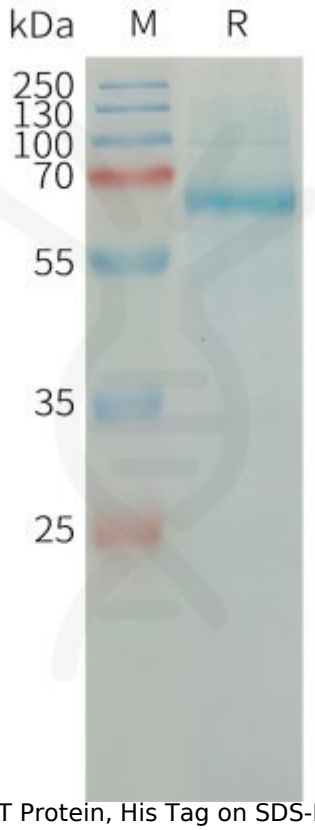


Figure 1.Human PLAT Protein, His Tag on SDS-PAGE under reducing condition.

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