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Datasheet for ABIN7504551

**PLAT Protein (AA 36-562) (His tag)**

## Overview

Quantity:	100 µg
Target:	PLAT
Protein Characteristics:	AA 36-562
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAT protein is labelled with His tag.

## Product Details

Purpose:	Human tPA Protein
Sequence:	Ser36-Pro562
Characteristics:	Recombinant Human tPA Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ser36-Pro562, which consists of two chains: chain A (Ser36-Arg310) and chain B (Ile311-Pro562).
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	PLAT
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## Target Details

Alternative Name:	tPA ( <a href="#">PLAT Products</a> )
Background:	Tissue plasminogen activator (tPA) is the predominant plasminogen activator present in the vascular and nervous systems. tPA is not only neuroprotective for postnatal primary cortical neurons, but also that the predominant route for enhancing cell survival is via an mTOR-dependent mechanism.
Molecular Weight:	60.13 kDa. The protein is activated by thermolysin and cleaved to a 2-chain protease, it migrates to 40-45 kDa (Chain A) and 35-40 kDa (Chain B) based on Tris-Bis PAGE result.
Pathways:	<a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 20 mM MES, 300 mM NaCl, 200 mM Arginine (pH 5.5).
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM MES, 300 mM NaCl, 200 mM Arginine (pH 5.5). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months