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Datasheet for ABIN7538478

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

1 Image

Overview

Quantity:	50 µg
Target:	PLAT
Protein Characteristics:	AA 36-562
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAT protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PLAT Protein with C-terminal 6xHis tag
Specificity:	PLAT (Ser36-Pro562) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	PLAT
Alternative Name:	PLAT (PLAT Products)
Background:	This gene encodes tissue-type plasminogen activator, a secreted serine protease that converts

Target Details

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]

Molecular Weight: predicted molecular mass of 59.9 kDa after removal of the signal peptide. The apparent molecular mass of PLAT-His is 55-70 kDa due to glycosylation.

UniProt: [P00750](#)

Pathways: [Autophagy](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Restrictions: For Research Use only

Handling

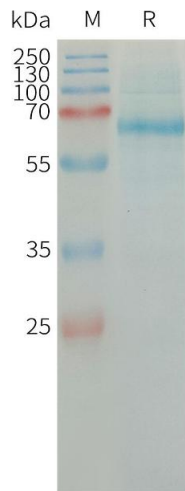
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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