Datasheet for ABIN7504500

PAI1 Protein (AA 24-402) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	PAI1 (SERPINE1)
Protein Characteristics:	AA 24-402
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAI1 protein is labelled with His tag.

Product Details

Purpose:	Rat PAI-1 Protein
Sequence:	Ser24-Pro402
Characteristics:	Recombinant Rat PAI-1 Protein is expressed from HEK293 with His tag at the C-terminus.It contains Ser24-Pro402.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PAI1 (SERPINE1)
Alternative Name:	PAI-1 (SERPINE1 Products)

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Target Details

Background:	PAI-1 (plasminogen activator inhibitor-1) is a member of plasminogen cascade with an inhibitory role in plasmin activation. PAI-1 is an important regulator of the fibrinolytic process and levels of this antifibrinolytic protein are elevated in diabetes and insulin resistant states.
Molecular Weight:	43.73 kDa. Due to glycosylation, the protein migrates to 48-60 kDa based on Tris-Bis PAGE result.
UniProt:	P20961
Pathways:	p53 Signaling, Cellular Response to Molecule of Bacterial Origin, Carbohydrate Homeostasis, Autophagy, Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only

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 distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in 50 mM HEPES, 300 mM NaCl, 1 mM TCEP (pH 7.5). 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

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