Datasheet for ABIN2181749

SERPINE2 Protein (AA 20-397) (His tag)

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Overview

Quantity:	25 µg
Target:	SERPINE2
Protein Characteristics:	AA 20-397
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINE2 protein is labelled with His tag.

Product Details

Sequence:	AA 20-397
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 42.7 kDa. The protein migrates as 45-48 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SERPINE2
Alternative Name:	Serpin E2 (SERPINE2 Products)

Target Details

Background:	SERPINE2 is also known as Glia-derived nexin (GDN), Peptidase inhibitor 7 (PI7), Protease nexin 1(PN1). SERPINE2 is a secreted glycoprotein which belongs to the serpin family. SerpinE1 is the primary physiological inhibitor of the two plasminogen activators urokinase (uPA) and tissue plasminogen activator (tPA). PAI-1 / GDN is also implicated in adipose tissue development. It suggests that PAI-1 inhibitors serve in the control of atherothrombosis. Defects in Serpin E1 / PN1 are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency) which is characterized by abnormal bleeding due to SerpinE1 defect in the plasma.
Molecular Weight:	42.8 kDa

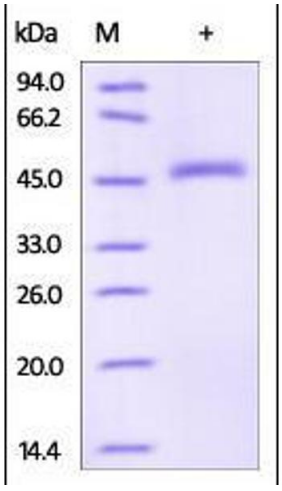
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Sodium Acetate, 100 mM NaCl, pH 6.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Images



SDS-PAGE

Image 1. Human Serpin E2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.