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Datasheet for ABIN7319017 **SERPINA5 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SERPINA5
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SerpinA5/SERPINA5 Protein (His Tag)
Sequence:	His20-Pro406
Characteristics:	Recombinant Human Serine Protease Inhibitor-clade A5 is produced by our Mammalian expression system and the target gene encoding His20-Pro406 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SERPINA5
Alternative Name:	SerpinA5/SERPINA5 (SERPINA5 Products)
Background:	Background: Serpin A5 is a member of the human Serpin superfamily consists of at least 35 members. It is synthesized in the liver and has been detected in saliva, cerebral spinal fluid,

Target Details

amniotic fluid, tears and semen. As a potent inhibitor of the protein C anticoagulant pathway at the levels of both zymogen activation and enzyme inhibition, Serpin A5 additionally inhibits a variety of serine protease including thrombin, factor Xa, several kallekreins and acrosin. It plays a critical role in the processes of blood of blood coagulation and fertilization. Serpin A5 also inhibits urinary plasminogen activator (uPA), a mediator of tumor cell invasion, and regulates tumor growth and metastasis by inhibiting angiogenesis. Furthermore, recent studies have identified PCI as a potent and direct inhibitor of activated HGFA (hepatocyte growth factor activator), suggesting a novel function in the regulation of tissue repair and regeneration. Similar to Serpins C1 and D1, the thrombin inhibitory activity of serpinA5 is enhanced by heparin.

Synonym: Plasma Serine Protease Inhibitor, Acrosomal Serine Protease Inhibitor, Plasminogen Activator Inhibitor 3, PAI-3, PAI3, Protein C Inhibitor, PCI, Serpin A5, SERPINA5, PCI, PLANH3, PROCI

Molecular Weight: 44.7 kDa

UniProt: [P05154](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM MES, 150 mM NaCl, pH 5.5.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.