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32-9194: Recombinant Human Serpin A5 (C-His)

Alternative Name : 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

Description

Source : Human 293 Cells;
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 found in saliva, cerebral spinal fluid, amniotic fluid, tears and semen. Serpin A5 inhibits various serine protease including thrombin, factor Xa, several kallekreins and acrosin. It also plays an essential role in the processes of blood coagulation and fertilization. Serpin A5 can inhibit 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), indicating 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.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 um filtered solution of 20mM MES, 150mM NaCl, pH 5.5

Amino Acid : 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.