

Datasheet for ABIN7319605

SERPINE2 Protein (His tag)



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Overview

Quantity:	50 µg
Target:	SERPINE2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINE2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SerpinE2/SERPINE2 Protein (His Tag)
Sequence:	Ser20-Pro397
Characteristics:	Recombinant Human Serpin E2 is produced by our Mammalian expression system and the target gene encoding Ser20-Pro397 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:	SERPINE2
Alternative Name:	SerpinE2/SERPINE2 (SERPINE2 Products)
Background:	Background: Serpin E2 is a secreted protein that belongs to the serpin family. Serpin E2 is a serine protease inhibitor with activity toward thrombin, trypsin, and urokinase. Serpin E2 expression is weak or absent in all normal pancreas and chronic pancreatitis tissue. In contrast,

Target Details

it was strongly over-expressed in the majority of pancreatic carcinoma as well as gastric and colorectal cancer samples. Serpin E2 promotes neurite extension by inhibiting thrombin. It also can bind heparin. It has been shown that Serpin E2 is a novel target of ERK signaling involved in human colorectal tumorigenesis. It plays an important role in controlling male fertility because its knockout male mice show a marked impairment in fertility from the onset of sexual maturity and its abnormal expression is found in the semen of men with seminal dysfunction.

Synonym: Glia-derived Nexin, GDN, Peptidase inhibitor 7, PI-7, Protease nexin 1, PN-1, Protease nexin I, Serpin E2, SERPINE2, PI7, PN1

Molecular Weight: 42.7 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.