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Datasheet for ABIN7319025 **SERPINH1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SERPINH1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINH1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SerpinH1/SERPINH1 Protein (His Tag)
Sequence:	Ala19-Leu418
Characteristics:	Recombinant Human Serine Protease Inhibitor-clade H1 is produced by our Mammalian expression system and the target gene encoding Ala19-Leu418 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:	SERPINH1
Alternative Name:	SerpinH1/SERPINH1 (SERPINH1 Products)
Target Type:	Viral Protein

Target Details

Background: Background: Serpin H1 is a serine proteinase inhibitors Which belongs to the serpin family. Serpin H1 is induced by heat shock. Serpin H1 localizes to the endoplasmic reticulum lumen and binds specifically to collagen. Thus it is thought to be a molecular chaperone involved in the maturation of collagen molecules. Autoantibodies to this protein have been found in patients with rheumatoid arthritis. Serpin H1 may be a marker for cancer and nucleotide polymorphisms in this gene may be associated with preterm birth caused by preterm premature rupture of membranes.

Synonym: Serpin H1, 47 kDa Heat Shock Protein, Arsenic-Transactivated Protein 3, AsTP3, Cell Proliferation-Inducing Gene 14 Protein, Collagen-Binding Protein, Colligin, Rheumatoid Arthritis-Related Antigen RA-A47, SERPINH1, CBP1, CBP2, HSP47, SERPINH2

Molecular Weight: 45.5 kDa

UniProt: [P50454](#)

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 PB, 150 mM NaCl, pH 7.2.

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.