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Datasheet for ABIN1097532

**SERPINH1 Protein (AA 19-418) (His tag)**

## Overview

Quantity:	50 µg
Target:	SERPINH1
Protein Characteristics:	AA 19-418
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINH1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Serpin H1 (C-6His)
Sequence:	AEVKKPAAAA APGTAEKLSP KAATLAERSA GLAFSLYQAM AKDQAVENIL VSPVVVASSL GLVSLGGKAT TASQAKAVLS AEQLRDEEVH AGLGELLRSL SNSTARNVTW KLGSRLYGPS SVSFADDFVR SSKQHYNCEH SKINFRDKRS ALQSINWAA QTTDGKLPEV TKDVERTDGA LLVNAMFFKP HWDEKFHHKM VDNRGFMVTR SYTVGVMMMH RTGLYNYDD EKEKLQIVEM PLAHKLSSLI ILMPHHVEPL ERLEKLLTKE QLKIWMGKMQ KKAVASLPK GVVEVTHDLQ KHLAGLGLTE AIDKNKADLS RMSGKKDLYL ASVFHATAFE LDTDGNPFDQ DIYGREELRS PKLFYADHPF IFLVRDTQSG SLLFIGRLVR PKGDKMRDEL VDHHHHHH
Characteristics:	Recombinant Human Serpin H1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala19-Leu418) of Human SERPINH1 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	SERPINH1
Alternative Name:	Serpin-H1 ( <a href="#">SERPINH1 Products</a> )
Sub Type:	Fusionprotein
Target Type:	Viral Protein
Background:	<p>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.</p> <p>Alternative Names: 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</p>
Molecular Weight:	45.5 kDa
UniProt:	<a href="#">P50454</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

## Handling

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Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months