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Datasheet for ABIN1097508  
**SERPINA4 Protein (AA 21-427) (His tag)**

Overview

Quantity:	50 µg
Target:	SERPINA4
Protein Characteristics:	AA 21-427
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Serpin A4/Kallistatin (C-6His)
Sequence:	QLHVEHDGES CSNSSHQIL ETGEGSPSLK IAPANADFAF RFYYLIASET PGKNIFFSPL SISAAAYAMLS LGACSHRSRQ ILEGLGFNLT ELSESDVHRG FQHLLHTLNL PGHGLETRVG SALFLSHNLK FLAKFLNDTM AVYEAKLFHT NFYDVTGTIQ LINDHVKKET RGKIVDLVSE LKKDVLMLVLV NYIYFKALWE KPFISSRTTP KDFYVDENTT VRVPMMLQDQ EHHWYLHDRY LPCSVLRMDY KGDATVFFIL PNQGKMREIE EVLTPEMLMR WNNLLRKRNF YKKLELHLPK FSISGSYVLD QILPRLGFTD LFSKWADLSG ITKQKLEAS KSFHKATLDV DEAGTEAAAA TSFAIKFFSA QTNRHILRFN RPFLVVIFST STQSVLFLGK VVDPTKPHHH HHH
Characteristics:	Recombinant Human Serpin A4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln21-Pro427) of Human SERPINA4 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

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

## Target Details

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Target:	SERPINA4
Alternative Name:	Serpin-A4 ( <a href="#">SERPINA4 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Serpin Peptidase Inhibitor, Clade A (alpha-1 Antiproteinase, Antitrypsin), Member 4 (Serpin A4) is a member of the Serpin family. Serpin A4 exists as a monomer and some homodimers. Serpin A4 is expressed by the liver and secreted in plasma. Serpin A4 is a regulator of vascular homeostasis capable of controlling a wide spectrum of biological actions in the cardiovascular and renal systems. It can inhibit intracellular reactive oxygen species formation in cultured cardiac and renal cells. In addition, Serpin A4 has anti-inflammatory effect. Heparin blocks kallistatin's complex formation with tissue kallikrein and abolishes its inhibitory effect on tissue kallikrein's activity.</p> <p>Alternative Names: Kallistatin, Kallikrein Inhibitor, Peptidase Inhibitor 4, PI-4, Serpin A4, SERPINA4, KST, PI4</p>

Molecular Weight:	47.1 kDa
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UniProt:	<a href="#">P29622</a>
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## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
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Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 50 mM TrisHCl, 150 mM NaCl, 10 mM NaCl, pH 8.0.
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Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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## Handling

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Storage: 4 °C/-20 °C/-80 °C

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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.

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Expiry Date: 3 months