

[Go to Product page](#)

## Datasheet for ABIN7318726 **SERPINB1 Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	SERPINB1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINB1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human SERPINB1/PI2 Protein (Human Cells, His Tag)
Sequence:	Met 1-Pro379
Characteristics:	Recombinant Human Serine Protease Inhibitor-clade B1 is produced by our Mammalian expression system and the target gene encoding Met1-Pro379 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:	SERPINB1
Alternative Name:	SERPINB1/PI2 ( <a href="#">SERPINB1 Products</a> )
Background:	Background: SERPINB1 is a member of the serpin family and Ov-serpin subfamily. As protease inhibitors, serpins have an array of functions including regulating blood coagulation, fibrinolysis,

## Target Details

the complement pathway, angiogenesis, inflammation, tumor suppression, extracellular matrix remodeling, and cell motility. SERPINB1 regulates the activity of the neutrophil proteases elastase, cathepsin G, proteinase-3, chymase, chymotrypsin, and kallikrein-3. Reactive bond 1 of SerpinB1 is specific for reaction with chymotrypsin-like protease such as cathepsin G, chymotrypsin or chymase. Reactive bond 2 of SerpinB1 is specific for reaction with elastase-like protease such as neutrophyl elastase, proteinase-3, pancreatic elastase or PSA. In addition, SERPINB1 also functions as a potent intracellular inhibitor of granzyme H.

Synonym: Leukocyte elastase inhibitor, SERPINB1, Monocyte/neutrophil elastase inhibitor, M/NEI, Peptidase inhibitor 2, PI-2, PI2, EI, ELANH2, HEL-S-27, HEL57, LEI, MNEI,

Molecular Weight:	43.8 kDa
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UniProt:	<a href="#">P30740</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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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.
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