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## Datasheet for ABIN7319469 **SERPINA12 Protein (GST tag)**

### Overview

Quantity:	50 µg
Target:	SERPINA12
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA12 protein is labelled with GST tag.

### Product Details

Purpose:	Recombinant Human Vaspin/SerpinA12 Protein (GST Tag)
Sequence:	Leu21-Lys414
Characteristics:	Recombinant Human Serpin A12 is produced by our E.coli expression system and the target gene encoding Leu21-Lys414 is expressed with a GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SERPINA12
Alternative Name:	Vaspin/SerpinA12 ( <a href="#">SERPINA12 Products</a> )
Background:	Background: Vaspin (Visceral Adipose-Specific SERPIN) is a newly described adipokine. Vaspin has three $\beta$ -sheets, nine $\alpha$ -helices, and one central loop, the structure is part of the set of distinctive features that are descriptive of Serpin family members. Vaspin is also a unique

## Target Details

insulin sensitizing adipocytokine in obesity. A recent publication indicates that Vaspin mRNA expression in visceral fat is positively correlated with BMI and percent of body fat. and could be associated with parameters of obesity, insulin resistance, and glucose metabolism. These findings suggest a potential clinical use for Vaspin in ameliorating certain aberrations seen in the obesity metabolic syndrome.

Synonym: Serpin A12, OL-64, Visceral Adipose Tissue-Derived Serine Protease Inhibitor, Vaspin, Visceral Adipose-Specific Serpin, SERPINA12

Molecular Weight:	71.4 kDa
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UniProt:	<a href="#">Q8IW75</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM TrisHCl, 160 mM NaCl, 0.2 mM PMSF, 1 mM DTT, 10 % Glycerine, pH 7.2 .
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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