

## Recombinant Human Vaspin/SerpinA12 Protein (GST Tag)

**Catalog No.** PKSH033534

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

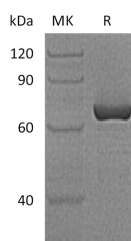
### Description

<b>Synonyms</b>	Serpin A12;OL-64;Visceral Adipose Tissue-Derived Serine Protease Inhibitor;Vaspin;Visceral Adipose-Specific Serpin;SERPINA12
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Leu21-Lys414
<b>Accession</b>	Q8IW75
<b>Calculated Molecular Weight</b>	71.4 kDa
<b>Observed molecular weight</b>	72 kDa
<b>Tag</b>	N-GST
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 80 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM Tris-HCl, 160mM NaCl, 0.2mM PMSF, 1mM DTT, 10% Glycerine, pH 7.2 .
<b>Reconstitution</b>	Not Applicable

### Data



> 80 % as determined by reducing SDS-PAGE.

### 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 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

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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.