

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

**Catalog Number: PKSH033533**

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

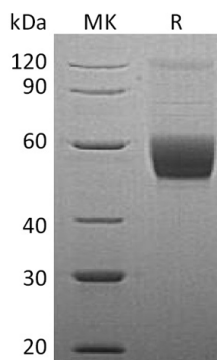
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human Vaspin/SerpinA12 protein Leu21-Lys414, with an C-terminal His
<b>Calculated MW</b>	46.5 kDa
<b>Observed MW</b>	50-60 kDa
<b>Accession</b>	Q8IW75
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<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 20mM Tris-HCl, 150mM NaCl, pH 7.5.

### Data



> 95 % 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 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.