

# Recombinant Human Vaspin/SerpinA12 Protein (His Tag)



Catalog Number:PKSH033533

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

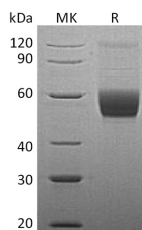
## Description

<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>	HEK293 Cells
<b>Sequence</b>	Leu21-Lys414
<b>Accession</b>	Q8IW75
<b>Calculated Molecular Weight</b>	46.5 kDa
<b>Observed molecular weight</b>	50-60 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , 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 $-20^{\circ}\text{C}$ .
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## 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.

## For Research Use Only

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