

Recombinant Human Vaspin/SerpinA12 Protein (His Tag)



Catalog Number: PKSH033533

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

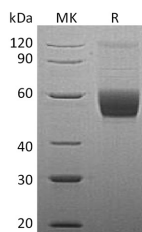
Description

Synonyms	Serpin A12; OL-64; Visceral adipose tissue-derived serine protease inhibitor; Vaspin; Visceral adipose-specific serpin; SERPINA12
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu21-Lys414
Accession	Q8IW75
Calculated Molecular Weight	46.5 kDa
Observed molecular weight	50-60 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	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.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Vaspin (Visceral Adipose-Specific SERPIN) is a newly described adipokine. Vaspin has three β -sheets; nine α -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.

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