

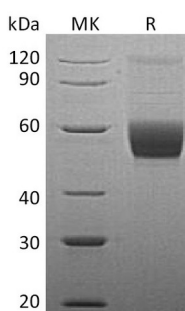
Product Name: Recombinant Human Serpin A12 (C-10His)
Catalog #: PHH1497



Summary

Name	Serpin A12/Vaspin
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Serpin A12 is produced by our Mammalian expression system and the target gene encoding Leu21-Lys414 is expressed with a 10His tag at the C-terminus.
Accession #	Q8IW75
Host	Human Cells
Species	Human
Predicted Molecular Mass	46.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Serpin A12; OL-64; Visceral adipose tissue-derived serine protease inhibitor; Vaspin; Visceral adipose-specific serpin; SERPINA12
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



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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.

Note

For Research Use Only , Not for Diagnostic Use.