**Product Name: Recombinant Human Serpin A12 (N-GST)**
**Catalog #: PEH1496**

## Summary

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|---|---|
| **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 Serine Protease Inhibitor-clade A12 is produced by our E.coli expression system and the target gene encoding Leu21-Lys414 is expressed with a GST tag at the N-terminus. |
| **Accession #** | Q8IW75 |
| **Host** | E.coli |
| **Species** | Human |
| **Predicted Molecular Mass** | 71.4 KDa |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 160mM NaCl, 0.2mM PMSF, 1mM DTT, 10% Glycerine, pH 7.2. |
| **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

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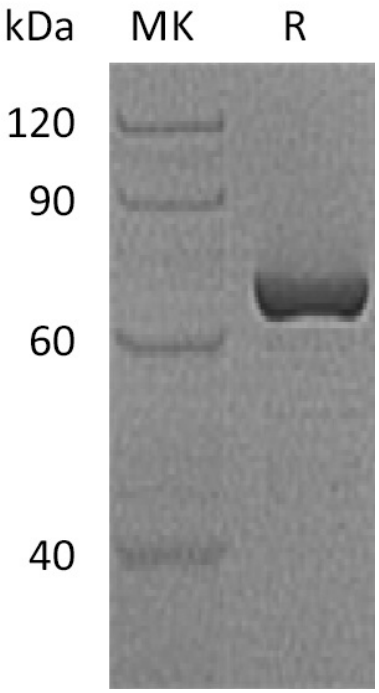


## Alternative Names

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 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.