



Recombinant Protein Technical Manual

Recombinant Human Vaspin/SerpinA12 Protein (GST Tag) RPES5075

Product Data:

Product SKU: RPES5075

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q8IW75

Protein Information:

Molecular Mass: 71.4 kDa

AP Molecular Mass: 72 kDa

Tag: N-GST

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 50mM TrisHCl, 160mM NaCl, 0.2mM PMSF, 1mM DTT, 10% Glycerine, pH 7.2 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Serpin A12; OL-64; Visceral Adipose Tissue-Derived Serine Protease Inhibitor; Vaspin; Visceral Adipose-Specific Serpin; SERPINA12

Immunogen Information:

Sequence: Leu21-Lys414

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.