

Serpin A12 Protein, Human, Recombinant (GST)

General Information

Synonyms:	Visceral Adipose Tissue-Derived Serine Protease Inhibitor;Vaspin;OL-64;SERPINA12;Serpin A12;Visceral Adipose-Specific Serpin
Protein Construction:	Leu21-Lys414
Species:	Human
Expression Host:	E. coli
Accession:	Q8IW75
Molecular Weight:	72 KDa (reducing condition)
AA Sequence:	Leu21-Lys414

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 80% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 50 mM Tris-HCl, 160 mM NaCl, 0.2 mM PMSF, 1 mM DTT, 10% Glycerine, pH 7.2.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481