

Vaspin, human recombinant

CATALOG #:	4915-25	25 µg
	4915-1000	1 mg
SYNONYMS:	Serpine A12 precursor, Visceral adipose-specific serpin, Visceral adipose tissue- derived serine protease inhibitor, Vaspin, OL-64, SERPINA12, Serine (or cysteine) proteinase inhibitor, clade A, antitrypsin, alpha-1 antiproteinase.	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses	
ENDOTOXIN LEVELS:	<0.1 ng/µg of protein	
MOLECULAR WT:	47 kDa	
FORM:	Lyophilized powder.	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized from 50 mM Tris, pH 7.5 + 150 mM NaCl.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.	
STORAGE CONDITIONS:	Store at -20 °C. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.	

DESCRIPTION: Vaspin (visceral adipose-specific SERPIN), a newly identified adipokine, is a member of serine protease inhibitor family. Vaspin is also a unique insulin sensitizing adipocytokine in obesity. A recent publication indicates that induction of human vaspin mRNA expression in adipose tissue is regulated in a fat depot-specific manner and could be associated with parameters of obesity, insulin resistance, and glucose metabolism. Recombinant human Vaspin produced in E.Coli is a single, non-glycosylated polypeptide chain containing 415 amino acids and having a molecular mass of 47 kDa.

FOR RESEARCH USE ONLY! Not to be used on humans.

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