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**Product Data Sheet**


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Product Name: Vaspin Human

Cat. No.: GP21033

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Serpin 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.

Amino Acid Sequence  
 MGSSHHHHHH SGLVPRGSH MLKPSFSPRN YKALSEVQGW KQRMAAKELA  
 RQNMDLGFKL LKKLAFYNPG RNIFLSPLSI STAFSMLCLG AQDSTLDEIK  
 QGFNFRKMPE KDLHEGFHYI IHELTQKTQD LKLSIGNTLF IDQRLQPQRK  
 FLEDAKNFYS AETILTQNFQN LEMAQKQIND FISQKTHGKI NNLINIDPG  
 TVMLLANYIF FRARWKHEFD PNVTKEEDFF LEKNSSVKVP MMFRSGIYQV  
 GYDDKLSCTI LEIPYQKNIT AIFILPDEGK LKHLEKGLQV DTFSRWKTLL  
 SRRVVDVSVR RLHMTGTDFL KKTL SYIGVS KIFEEHGDLT KIAPHRSLKV  
 GEAVHKAELK MDERGTEGAA GTGAQTL PME TPLVVKIDKP YLLLIYSEKI  
 PSVLFLGKIV NPIGK.

Formulation Vaspin in 20mM Tris pH-8, 0.2mM PMSF and 10% glycerol.

**Introduction**

Vaspin (visceral adipose-specific SERPIN), a newly identified adipokine, which 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.

**Stability**

Liquid Vaspin although stable at 10°C for 1 week, should be stored below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please

**Caution: Product has not been fully validated for medical applications. For research use only.**

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prevent freeze-thaw cycles.

### Background

Vaspin Human Recombinant produced in E.Coli is a single, non-glycosylated, His Tag, polypeptide chain containing 415 amino acids and having a molecular mass of 47 kDa. The Vaspin is purified by proprietary chromatographic techniques.

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