



## Product Datasheet

<b>Product Name</b>	Vaspin Human Recombinant
<b>Cata No</b>	CB500361
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	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.

### Description

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.

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.

### Physical Appearance

Sterile Filtered colorless solution

### Purity

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

mg/ml in 20mM Tris pH-8, 0.2mM PMSF and 10% glycerol

### 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 prevent freeze-thaw cycles.**

### Sequence

MGSSHHHHHH SSGLVPRGSH MLKPSFSPRN  
YKALSEVQGW QQRMAAKELA RQNMDLGFKL  
LKKLAFYNPG RNIFLSPLSI STAFSMLCLG  
AQDSTLDEIK QGFNFRKMPE KDLHEGFHYI  
IHELTQKTQD LKLSIGNTLF IDQRLQPQRK  
FLEDAKNFYS AETILTNTFNQ LEMAQKQIND  
FISQKTHGKI NNLIENIDPG TVMLLANYIF  
FRARWKHEFD PNVTKKEEDFF LEKNSSVKVP  
MMFRSGIYQV GYDDKLSTCI LEIPYQKNIT  
AIFILPDEGK LKHLEKGLQV DTFSRWKTLL  
SRRVVDVSVPLHMTGTFDL KKTLSYIGVS  
KIFEEHGDLT KIAPHRSLKV GEAVHKAELK  
MDERGTEGAA GTGAQTL PME TPLVVKIDKP  
YLLLIYSEKI PSVLFLGKIV NPIGK

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