



## Vaspin, His Tag, human recombinant (rHuVaspin-His)

**Catalog No:** 94989  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**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

### Background

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.

### Description

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. Vaspin is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

Vaspin in 20 mM Tris pH 8, 0.2 mM 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.

### Purity

Greater than 90.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MLKPSFSPRN YKALSEVQGW KQRMAAKELA RQNMDLGFKL LKKLAFYNPG RNIFLSPLSI  
STAFSMLCLG AQDSTLDEIK QGFNFRKMPE KDLHEGFHYI IHELTQKTQD LKLSIGNTLF IDQLQPQRK FLEDAKNFYs  
AETILTNTFNQ LEMAQKQIND FISQKTHGKI NNLIENIDPG TVMLLANYIF FRARWKHEFD PNVTKKEEDFF LEKNSSVKVP  
MMFRSGIYQV GYDDKLSCTI LEIPYQKNIT AIFILPDEGK LKHLEKGLQV DTFSRWKTL SRRVVDVSV R LHMTGTFDL  
KKTLSYIGVS KIFEEHGDLT KIAPHRSLKV GEAVHKAELK MDERGTEGAA GTGAQTLPME TPLVVKIDKP YLLLIYSEKI  
PSVLFLGKIV NPIGK

### Usage

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