

Product information



Vaspin , 21- 414aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBVAS0751

Size : 100 µg
Size : 0.5 mg

Synonyms: SERPINA12, Serine (or cysteine) proteinase inhibitor, clade A, antitrypsin, alpha-1 antiproteinase

NCBI Accession No.: NP_776249

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. Recombinant human Vaspin fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

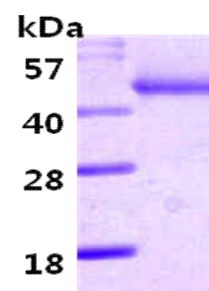
Form: Liquid. In 20mM Tris pH 8.0, 0.2mM PMSF, 10% glycerol

Molecular Weight: 47 kDa (415 aa)

Purity: > 90 % by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

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MGSSHHHHH SSSLVPRGSH MLKPSFSPPN YKALSEVQGW KQRMAAKELA RQNMDLGFKL LKKLAFYNPG RNIFLSPLSI STAFSMLCLG
AQDSTLDEIK QGFNFRKMPE KDLHEGFHYI IHELTQKTQD LKLSIGNTLF IDQRLQPQRK FLEDAKNFYS AETILTNTFNQ LEMAQKQIND
FISQKTHGKI NNLIENIDPG TVMLLANYIF FRARWKHEFD PNVTKKEEDFF LEKNSSVKVP MMFRSGIYQV GYDDKLSTI LEIPYQKNIT
AIFILPDEGK LKHLEKGLQV DTFSRWKTL LRRVVDVSVPL RHMTGTFDL KKTLSYIGVS KIFEEHGDLT KIAPHRSLKV GEAVHKAELK
MDERGTGEGAA GTGAQTLPMETPLVVKIDKP YLLLIYSEKI PSVLFLGKIV NPIGK
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General references:

Hida K , *et al.* (2005) *Natl Acad Sci.* Jul **26**;102(30):10610-5

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Kloting N , *et al* (2006) *Biochem.* **339**(1):430-6.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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