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Vaspin, human recombinant protein

Serpin A12 precursor, Visceral adipose-specific serpin, Visceral adipose tissue- derived serine prot

Catalog # PBV10485r

Specification

Vaspin, human recombinant protein - Product info

Primary Accession	Q8IW75
Concentration	1
Calculated MW	47.0 kDa KDa

Vaspin, human recombinant protein - Additional Info

Gene ID	145264
Gene Symbol	SPA12

Other Names
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, α-1 antiproteinase,

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC; ≥90%
Recombinant	Yes

Application Notes
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

Format
Lyophilized protein

Storage
-20°C; Lyophilized from 50 mM Tris, pH 7.5 + 150 mM NaCl.

Vaspin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Vaspin, human recombinant protein - Images

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Vaspin, human recombinant protein - Background

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.

Vaspin, human recombinant protein - References

Hida K.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:10610-10615(2005).
Chen S.,et al.Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
Heiker J.T.,et al.Cell. Mol. Life Sci. 70:2569-2583(2013).