9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Vaspin Human

Vaspin Recombinant Human
CYK0620

Product Overview

Name	Vaspin Human
Description	
Vaspin Recombinant Human	
Accession (Primary)	Q8IW75
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.	
Introduction	
Vaspin (visceral adipose-specific SERPIN) is 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered concentrated solution in 20mM Tris-HCl, pH 8.0, 150mM NaCl and 0.02 % Tween-20.	
Stability	
Lyophilized Vaspin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Vaspin should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
LKPSFSPRNY KALSEVQGWK QRMAAKELAR QNMDLGFKLL KKLAFYNPGR NIFLSPLSIS TAFSMLCLGA QDSTLDEIKQ GFNFRKMPEK DLHEGFHYII HELTQKTQDL KLSIGNTLFI DQRLQPQRKF LEDAKNFYSA	

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ETILTNFQNL EMAQKQINDF ISQKTHGKIN NLIENIDPGT VMLLANYIFF RARWKHEFDP NVTKEEDFFL EKNSSVKVPM MFRSGIYQVG YDDKLSCTIL EIPYQKNITA IFILPDEGKL KHLEKGLQVD TFSRWKTLLS RRVVDVSVPR LHMTGTFDLK KTLSYIGVSK IFEEHGDLTK IAPHRSLKVG EAVHKAELKM DERGTEGAAG TGAQTLPMET PLVVKIDKPY LLLIYSEKIP SVLFLGKIVN PIGK.

Solubility

It is recommended to reconstitute the lyophilized Vaspin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Vaspin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8IW75)