

32-6591: Vaspin Human

Alternative Name : 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

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Vaspin Human Recombinant produced in E.Coli is a single, non- glycosylated polypeptide chain containing 394 amino acids and having a molecular mass of 45.1kDa. Vaspin is purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 25 µg

Purification : Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0, 150mM NaCl and 0.02 % Tween-20.

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

Storage condition : 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.

Amino Acid : LKPSFSPRNY KALSEVQGWK QRMAAKELAR QNMDLGFKLL KKLAFYNPGR NIFLSPLSIS TAFSMLCLGA QDSTLDEIKQ GFNFRKMPEK DLHEGFHYII HELTQKTQDL KLSIGNTLFI DQRLQPQRKF LEDAKNFYSA ETILT NFQNL EMAQKQINDF ISQKTHGKIN NLIENIDPGT VMLLANYIFF RARWKHEFDP NVTKEEDFFL EKNSSVKVPM MFRSGIYQVG YDDKLSTIL EIPYQKNITA IFILPDEGKL KHLEKGLQVD TFSRWKTLIS RRVVDVSVPR LHMTGTFDLK KTL SYIGVSK IFEHGD LTK IAPHRSLKVG EAVHKAELKM DERGTEGAAG TGAQTLPMET PLVVKIDKPY LLLIYSEKIP SVLFLGKIVN PIGK.