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32-13018: Adipsin Human, Sf9

Alternative Name :	Complement Factor D (Adipsin), Properdin Factor D, D Component Of Complement (Adipsin), C3 Convertase Activator, EC 3.4.21.46, ADIPSIN, PFD, AND, DF, Complement Factor D Preproprotein, Complement Factor D, EC 3.4.21, Complement factor D.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Complement Factor D (Adipsin), which belongs to the trypsin family of peptidases, is involved in the alternative complement pathway of the complement system where it cleaves factor B. In the alternative complement pathway, Adipsin is best known for its role in humoral suppression of infectious agents. In addition, Adipsin is a serine protease which is secreted by adipocytes into the bloodstream. Ultimately, Adipsin has a high level of expression in fat, proposing a role for adipose tissue in immune system biology.
Adipsin produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 241 amino acids (21-253a.a.) and having a molecular mass of 26.01kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). Adipsin is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Adipsin protein solution (1mg/ml) contains phosphate buffered saline (pH7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	PPRGRILGGR EAEAHARPYM ASVQLNGAHL CGGVLVAEQW VLSAAHCLED AADGKVQVLL GAHSLSQPEP SKRLYDVLRA VPHPDSQPDT IDHDLLLLQL SEKATLGPAV RPLPWQRVDR DVAPGTLCDV AGWGIVNHAG RRPDSLQHVL LPVLDRATCN RRTHHDGAIT ERLMCAESNR RDSCKGDSGG PLVCGGVLEG VVTSGSRVCG NRKKPGIYTR VASYAAWIDS VLAVEHHHHH H.