

32-3159: Adipsin Recombinant Protein

Alternative Name : Complement factor D, EC 3.4.21.46, Adipsin, C3 convertase activator, Properdin factor D, CFD, DF, PFD, ADN.

Description

Source : Escherichia Coli. Adipsin Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 249 amino acids (26-253 a.a) and having a molecular mass of 26.6kDa. Adipsin is fused to a 21 amino acid His-tag at N-terminus. 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.

Product Info

Amount : 20 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : Adipsin protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.
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 : MGSSHHHHHH SSSLVPRGSH MILGGREAEA HARPYMASVQ LNGAHLCCGGV LVAEQWVLSA
AHCLEDAADG KVQVLLGAHS LSQPEPSKRL YDVLRAVPHD DSQPDITDHD LLLLQLSEKA TLGPAVRPLP
WQRVDRDVAP GTLCDVAGWG IVNHAGRRPD SLQHVLLPVL DRATCNRRTD HDGAIATERLM
CAESNRRDSC KGDSGGPLVC GGVLEGVVTS GSRVCGNRKK PGIYTRVASY AAWIDSVLA.