

CFD, 26-253aa, Human, His tag, E.coli

Cat.NO.: TP01592

3th Edition

Synonyms: Complement factor D, DF, AND, PFD, ADIPSIN

Description: CFD, also known as adipsin, is involved in the alternative complement pathway of the complement system where it cleaves factor B. This protein is a member of the trypsin family of peptidases. It is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. It is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, it has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology. Recombinant human CFD protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight: 26.6 kDa (249aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMILGGREAEAHARPYMASVQLNGAHLCCGGVLVAEQWVLSAAHCLEDAADGKVVQ
VLLGAHLSLQPEPSKRLYDVLRAVPHPSQPDTIDHDLQLLQLSEKATLGPVAVRPLPWQRVDRDVAPGTLCDVAG
WGIVNHAGRRPDSLQHVLLPVLDRATCNRRTHHDGAIERLMCAESNRDRSCKGDSGGPLVCGGVLEGVVTSGS
RVCGNRKKPGIYTRVASAAWIDSVLA

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.