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Schillerstr. 5

AR50701PU-S Human Complement factor D (26-253, His-tag) - Purified

Alternate names: Adipsin, C3 convertase activator, CFD, DF, PFD, Properdin factor D

Quantity: 0.1 mg

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

Background: 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.

Uniprot ID: <u>P00746</u>

NCBI: <u>NP 001919</u>

GeneID: 1675
Species: Human
Source: E. coli

Format: State: Liquid purified protein

Purity: >85% by SDS - PAGE

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

Description: Recombinant human CFD protein, fused to His-tag at N-terminus, was expressed in

E.coli.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MILGGREAEA HARPYMASVQ LNGAHLCGGV LVAEQWVLSA AHCLEDAADG KVQVLLGAHS LSQPEPSKRL YDVLRAVPHP DSQPDTIDHD LLLLQLSEKA TLGPAVRPLP WQRVDRDVAP GTLCDVAGWG IVNHAGRRPD SLQHVLLPVL DRATCNRRTH HDGAITERLM CAESNRRDSC KGDSGGPLVC GGVLEGVVTS GSRVCGNRKK PGIYTRVASY

AAWIDSVLA

Molecular weight: 26.6 kDa (249aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

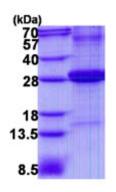
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Narayana SV. et al. (1994) J Mol Biol. 235:695-708.Ronti T. et al. (2006) Clin

Endocrinol (Oxf). 64:355-365.



Pictures:



15% SDS-PAGE (3ug)