

## AR50701PU-N

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

**Alternate names:**

Adipsin, C3 convertase activator, CFD, DF, PFD, Properdin factor D

**Quantity:**

0.5 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:**

[P00746](#)

**NCBI:**

[NP\\_001919](#)

**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:**

MGSSHHHHH SSGLVPRGSH MILGGREAEA HARPYMASVQ LNGAHLCCGV LVAEQWVLSA  
AHCLEDAADG KVQVLLGAHS LSQPEPSKRL YDVLRAVPHD DSQPDITDHD LLLLQLSEKA  
TLGPAVRPLP WQRVDRDVAP GTLCDVAGWG IVNHAGRRPD SLQHVLLPVL DRATCNRRTH  
HDGAITERLM CAESNRRDSC KGDSGGPLVC GGVLEGVVTG 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:

