

## 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:

[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 SGLVPRGSH MILGGREAEA HARPYMASVQ LNGAHLCCGV LVAEQWVLSA  
AHCLEDAADG KVQVLLGAHS LSQPEPSKRL YDVLRAVPHD DSQPDITDHD LLLLQLSEKA  
TLGPAVRPLP WQRVDRDVAP GTLCDVAGWG IVNHAGRRPD SLQHVLLPVL DRATCNRRTH  
HDGAITERLM CAESNRRDSC KGDSGGPLVC GGVLEGVVTG GSRVCGNRKK PGITYTRVASY  
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:

