

Recombinant human Complement Factor D protein

Catalog Number: ATGP1877

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-253aa

UniProt No.

P00746

NCBI Accession No.

NP_001919

Alternative Names

Complement factor D, DF, AND, PFD, ADIPSIN

PRODUCT SPECIFICATION

Molecular Weight

26.6 kDa (249aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MILGGREAEA HARPYMASVQ LNGAHLCCGGV LVAEQWVLSA AHCLEDAADG
KVQVLLGAHS LSQPEPSKRL YDVLRAVPHD DSQPDTIDHD LLLLQLSEKA TLGPAVRPLP WQRVDRDVAP GTLCDVAGWG
IVNHAGRRPD SLQHVLLPVL DRATCNRRTH HDGAIATERLM CAESNRRDSC KGDSGGPLVC GGVLEGVVTS GSRVCGNRKK
PGIYTRVASY AAWIDSVLA

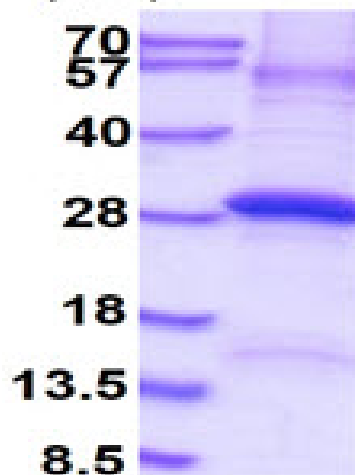
General References

Narayana SV. et al. (1994) J Mol Biol. 235:695-708.
Ronti T. et al. (2006) Clin Endocrinol (Oxf). 64:355-365.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)