

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com **OriGene Technologies GmbH**

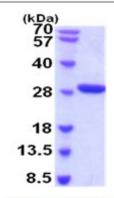
Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

AR51918PU-N	Human Complement factor D (21-253, His-tag) - Purified
Alternate names:	Adipsin, C3 convertase activator, CFD, DF, PFD, Properdin factor D
Quantity:	0.25 mg
Concentration: Background:	1.0 mg/ml (determined by bradford assay) CFD, also known as Complement factor D preproprotein, is a serine protease that stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis. There are two antiparallel beta-barrel domains with each barrel containing six beta-strands with the same typology in all enzymes. The major difference in backbone structure between Factor D and the other serine proteases of the chymotrpsin family is in the surface loops connecting the secondary structural elements. Factor D displays different conformations of major catalytic and substrate-binding residues typically found in the chrotrypsin family.
Uniprot ID:	<u>P00746</u>
NCBI:	<u>NP_001919</u>
GenelD:	<u>1675</u>
Species:	Human
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE. Buffer System: Phosphate buffered saline (pH7.4). Endotoxin Level: < 1.0 Eu per 1 microgram of protein (determined by LAL method)
Description:	Recombinant human CFD, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. AA Sequence:
	PPRGRILGGR EAEAHARPYM ASVQLNGAHL CGGVLVAEQW VLSAAHCLED AADGKVQVLL GAHSLSQPEP SKRLYDVLRA VPHPDSQPDT IDHDLLLLQL SEKATLGPAV RPLPWQRVDR DVAPGTLCDV AGWGIVNHAG RRPDSLQHVL LPVLDRATCN RRTHHDGAIT ERLMCAESNR RDSCKGDSGG PLVCGGVLEG VVTSGSRVCG NRKKPGIYTR VASYAAWIDS VLAVEHHHHH H Molecular weight: 26.01 kDa (241aa) confirmed by MALDI-TOF
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:	Ronti T. et al. (2006) Clin. Endocrinol. 64(4):355-65. Volanakis JE. et al. (1996). Protein Sci. 5(4):553-64.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



Pictures:



15% SDS-PAGE (3ug)

For research and in vitro use only. Not for diagnostic or therapeutic work. <u>Material Safety Datas</u>heets are available at www.acris-antibodies.com or on request.