

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:	1.0 mg/ml (determined by Bradford assay)
Background:	CFD, also known as Complement factor D preproprotein, is a serine protease that stimulates glucose transport for triglyceride accumulation in fat 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 chymotrypsin 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 chymotrypsin family.
Uniprot ID:	P00746
NCBI:	NP_001919
GeneID:	1675
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 VLAAHCLD AADGKQVLL GAHSLSQPEP SKRLYDVLRA VPHPDSQPDT IDHDL LLLQL SEKATLGPAV RLPWQRVDR DVAPGTLCDV AGWGIVNHAG RRPDSLQHV L LPVLD R ATCN 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.

Pictures:

