

## Product datasheet for **AR51918PU-N**

### Complement factor D (21-253, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Complement factor D (21-253, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression cDNA Clone or AA Sequence:	PPRGRILGGR EAEAHARPYM ASVQLNGAHL CGGVLVAEQW VLSAAHCLED AADGKVVQVLL GAHLSLQPEP SKRLYDVLRA VPHPDSQPDT IDHDL LLLQL SEKATLGPAV RPLPWQRVDR DVAPGTLCDV AGWGIVNHAG RRPDSLQHV L LPVLD RATCN RRTHHDGAIT ERLMCAESNR RDSCKGDSGG PLVCGGVLEG VTSGSRVCG NRKKPGIYTR VASYAAWIDS VLAVEHHHHH H
Tag:	His-tag
Predicted MW:	26.01 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE.
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline (pH 7.4)
Endotoxin:	< 1.0 Eu per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CFD, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001304264</a>
Locus ID:	1675
UniProt ID:	<a href="#">P00746</a> , <a href="#">K7ERG9</a> , <a href="#">A6XNE2</a>
Cytogenetics:	19p13.3
Synonyms:	ADIPSIN; ADN; DF; PFD



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**Summary:**

This gene encodes a member of the S1, or chymotrypsin, family of serine peptidases. This protease catalyzes the cleavage of factor B, the rate-limiting step of the alternative pathway of complement activation. This protein also functions as an adipokine, a cell signaling protein secreted by adipocytes, which regulates insulin secretion in mice. Mutations in this gene underlie complement factor D deficiency, which is associated with recurrent bacterial meningitis infections in human patients. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protease. [provided by RefSeq, Nov 2015]

**Protein Families:**

Druggable Genome, Protease, Secreted Protein

**Protein Pathways:**

Complement and coagulation cascades

**Product images:**