

Product datasheet for **AR50701PU-S**

Complement factor D (26-253, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Complement factor D (26-253, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MILGGREAEA HARPYMASVQ LNGAHLCCGV LVAEQWVLSA AHCLEDAADG KVQVLLGAHS LSQPEPSKRL YDVLRAVPHD DSQPDITDHD LLLLQLSEKA TLGPAVRPLP WQRVDRDVAP GTLCDVAGWG IVNHAGRRPD SLQHVLLPVL DRATCNRRTH HDGAITERLM CAESNRRDSC KGDSGGPLVC GGVLEGWTS GSRVCGNRKK PGIYTRVASY AAWIDSVLA
Tag:	His-tag
Predicted MW:	26.6 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CFD protein, fused to His-tag at N-terminus, was expressed in E.coli.
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:	NP_001304264
Locus ID:	1675
UniProt ID:	P00746 , K7ERG9 , A6XNE2
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:
