

Active Native Human Factor D

Cat. No. CFD-348H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human Factor D was purified from human serum.
Species	Human
Source	Human Serum
Description	The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology.
Form	Frozen liquid
Bio-activity	>95% versus normal human serum standard
Molecular Mass	24,000 Da (single chain)
Purity	≥95% by SDS-PAGE
Characteristic	Molecular weight: 24,000 daltons.
Storage	-70°C or below. Avoid freeze/thaw.

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Storage Buffer	10 mM sodium phosphate, 145 mM NaCl, pH 7.3
Preservative	None, 0.22 µm filtered
Warning	Use normal precautions for handling human blood products.
GENE INFORMATION	
Gene Name	CFD complement factor D (adipsin) [Homo sapiens]
Official Symbol	CFD
Synonyms	CFD; complement factor D (adipsin); D component of complement (adipsin) , DF, PFD, properdin factor D; complement factor D; ADN; properdin factor D; C3 convertase activator; complement factor D preproprotein; D component of complement (adipsin); DF; PFD;
Gene ID	1675
mRNA Refseq	NM_001928
Protein Refseq	NP_001919
MIM	134350
UniProt ID	P00746
Chromosome Location	19p13.3
Pathway	Adipogenesis, organism-specific biosystem; Alternative complement activation,

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organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Hemostasis, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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