9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CFD Human

Complement Factor D Human
RCP0405

Product Overview

Name	CFD Human
Description	
Complement Factor D Human	
Accession (Primary)	P00746
Synonyms	
Complement factor D, Adipsin, C3 convertase activator, Properdin factor D, CFD, DF, PFD.	
Introduction	
CFD is an important component of the alternative pathway of complement activation. CFD cleaves and activates factor B when it binds C3b or a C3b-like protein such as C3 or CVF. CFD is a serine protease that exists as a mature protease, but it exhibits a highly restricted specificity and it appears to be substrate activated. CFD cleaves factor B bound to C3b leading to the release of the Ba fragment and leaving the Bb fragment bound to C3b. The C3b,Bb complex is called a C3 or C5 convertase because it converts these proteins to their active forms by cleaving off the small peptides C3a and C5a, respectively.	
Source	
Human Plasma.	
Physical Appearance	
Sterile filtered solution.	
Formulation	
CFD protein solution contains 10mM Sodium phosphate and 145mM NaCl, pH 7.3.	
Stability	
CFD Human is stable at 4°C if entire vial will be used within 2-4 weeks. Store, frozen below -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Human Virus Test	
Plasma from each donor has been tested and found negative for antibody to HIV-1, HIV-2, HCV and HBSAG.	
Precautions	

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CFD Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00746)