9051 Mira Mesa Blvd, #910094
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CFH Human

Complement Factor H Human
RCP0406

Product Overview

Name	CFH Human
Description	
Complement Factor H Human	
Accession (Primary)	P08603
Synonyms	
Complement factor H, H factor 1, CFH, HF, HF1, HF2.	
Introduction	
Complement factor H (CFH) is an important regulatory component of the alternative pathway of complement. CFH is prevents complement activation on host cells and tissues, mainly the kidney. CFH controls the formation and decay of the alternative pathway C3/C5 convertase and acts as a cofactor for factor I which proteolytically inactivates C3b when C3b is bound to factor H . The N-terminal 5 domains of CFH bind to C3b and inhibit binding of factor B thus reducing the formation of C3/C5 convertase. CFH also binds to preformed C3/C5 convertases and causes quick release of the catalytic subunit Bb . These activities are necessary for controlling the spontaneous activation of the alternative pathway amplification process in plasma. In addition, CFH controls the formation and decay of these enzymes when C3b is attached to the surface of particles.	
Source	
Human Plasma.	
Physical Appearance	
Sterile filtered solution.	
Formulation	
CFH protein solution contains PBS, pH 7.2.	
Stability	
CFH 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	

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Plasma from each donor has been tested and found negative for antibody to HIV-1, HIV-2, HCV and HBSAG.

Precautions

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

Target Information: (P08603)