9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

C5 Human

Complement C5 Human
RCP0297

Product Overview

Name	C5 Human
Description	
Complement C5 Human	
Accession (Primary)	P01031
Synonyms	
Complement Component 5, C3 and PZP-Like Alpha-2-Macroglobulin Domain-Containing Protein 4, C5a Anaphylatoxin, Prepro-C5, CPAMD4, Anaphylatoxin C5a Analog, ECLZB, C5A, C5D, C5b, C5.	
Introduction	
Complement C5 is cleaved into C5a and C5b and is activated by all 3 pathways of complement activation. Each pathway of complement activation generates proteolytic enzyme complexes which binds to the target surface. These enzymes cleave a peptide bond in the larger alpha chain of C5 releasing the highly potent anaphylatoxin C5a and activating C5b. C5a has an imperative role in chemotaxis and C5b forms the 1st part of the complement membrane attack complex. Complement C5 is the 5th component of complement, which plays a central role in inflammatory and cell killing processes.	
Source	
Human Plasma.	
Physical Appearance	
Sterile filtered solution.	
Formulation	
C5 protein solution contains PBS, pH 7.2.	
Stability	
C5 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, HTLV-I &II, Syphillis	

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and HBSAG.

Precautions

C5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01031)