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

C7 Human

Complement C7 Human
RCP0303

Product Overview

Name	C7 Human
Description	
Complement C7 Human	
Accession (Primary)	P10643
Synonyms	
Complement component C7, C7.	
Introduction	
C7 is necessary for formation of the membrane attack complex and is activated by bindingat the cell membrane to recently-formed C5b,C6 complexes. Each pathway of complement activation generates proteolytic enzyme complexes which bind the target surface. These enzymes cleave a peptide bond in the larger alpha chain of C5 releasing C5a and activating C5b. Although C5b is unstable it remains bound to the activating complex for a few minutes during which it binds a single C6 from the surrounding fluid or it decays and is no longer capable of forming MAC. The C5b,6 complex may also remain connected to the C3/C5 convertase where the binding of a single C7 exposes a membrane-binding region and C5b,6,7 can enter into the bilipid layer of the target cell.	
Source	
Human Plasma.	
Physical Appearance	
Sterile filtered solution.	
Formulation	
C7 protein solution contains 10mM Sodium phosphate and 145mM NaCl, pH 7.3.	
Stability	
C7 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 90.0% 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.	

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Precautions

C7 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P10643)