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C1R Human

Complement C1r Human
RCP0275

Product Overview

Name	C1R Human
Description	
Complement C1r Human	
Accession (Primary)	P00736
Synonyms	
Complement C1r subcomponent, Complement component 1 subcomponent r, C1R.	
Introduction	
C1r enzyme is the activated form of C1r proenzyme which is inactive zymogen until C1 is activated.C1r is a subunit of the C1 complex which is the first complement component in the classical pathway of complement. C1 is a non-covalent calcium-dependent complex containing1 C1q, 2 C1r and 2 C1s molecules.Each C1q bindsthe Fc domains of IgG or IgM by using2 or more of its six arms. The binding of multiple arms to immune complexes causesthe production of 2 proteases that cleave and activate the 2 C1s protease zymogens in the complex by the C1r proteins. The activation of C1r results from cleavage of C1r into 2 fragments of 57,000 and 35,000 Dalton.	
Source	
Human Plasma.	
Physical Appearance	
Sterile Filtered solution.	
Formulation	
(1mg/ml) 140mM NaCl, 10mM Imidazole and 8mM EDTA, pH 7.4.	
Stability	
Human C1r 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, HTLV-I/II, STS and HBSAG.	

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Precautions

C1R Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00736)