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

C3a Human

Complement C3a Human
RCP0283

Product Overview

Name	C3a Human
Description	
Complement C3a Human	
Accession (Primary)	P01024
Synonyms	
Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, C3, CPAMD1.	
Introduction	
Native human C3a is created by cleavage of human C3 protein by a human C3 convertase. C3a is a member of the anaphylatoxin family of three proteins (C3a, C4a and C5a) created by the activation of complement. C3a mediates various inflammatory responses including smooth muscle contraction, increased vascular permeability, vasodilation and release of histamine from mast cells and basophils. C3a (In contrast to C5a) does not exhibit significant neutrophil stimulating activities and does not induce chemotaxis, granule release or superoxide production. C3a acts through the C3a Receptor which is a G-protein coupled receptor found mainly on peripheral tissues, lymphoid cells and in the central nervous system. These activities of C3a are inactivated by removal of the C-terminal arginine which happens rapidly in plasma due to the action of carboxypeptidase N.	
Source	
Human Plasma.	
Physical Appearance	
Sterile Filtered solution.	
Formulation	
C3a solution contains Phosphate buffered saline, pH 7.2.	
Stability	
C3a 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 98.0% 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, HTLV-I &II and HBSAG.

Precautions

C3a Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01024)