

Recombinant Human Complement Component 3a

Cat. No. C3a-44H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Complement Component 3a was produced from yeast.
Species	Human
Source	Yeast
Description	C3a is a one of the proteins formed by the cleavage of complement component 3; the other is C3b. C3a plays an important role in chemotaxis, though not as important a role as C5a. It is also an anaphylatoxin. Soluble C3-convertase, also known as C4b2a, catalyzes the proteolytic cleavage of C3 into C3a and C3b as part of the classical complement system as well as the mannan-binding lectin pathway. C3a is an anaphylotoxin, and C3b serves as an opsonizing agent. Factor I can cleave C3b into C3c and C3d, the latter of which plays a role in enhancing B cell responses. Complement Component 3a (C3a) is an essential regulatory factor and inhibiting its binding to a C3a receptor will diminish the inflammation response by disrupting the cascade. We report the design, synthesis, in vitro and in vivo activity of diiminoisoindolines as C3a antagonists.
Form	Lyophilized from sterile 20mM PB, 240mM NaCl, pH 6.0.
Molecular Mass	41.1kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE

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Applications

Western blotting, ELISA

Storage

Store it under sterile conditions at -20°C to -97°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

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