Creative Enzymes®

classical-complement-pathway C3/C5 convertase

Cat. No. EXWM-4137

Lot. No. (See product label)

Introduction

Description	A complex of complement fragments C4b, C2a and C2b. C2a contains the active site, C2b the site for C4b binding. C2a and C2b are formed by cleavage of proenzyme C2 by complement subcomponent C1s. Cleavage of C5 requires complement fragment C3b which binds C5 and renders it susceptible to cleavage by the C4b,2a complex. Includes former EC 3.4.21.44. Complement component C2a is in peptidase family S1 (trypsin family)
Synonyms	C3 convertase; C42; C4b,2a; C5 convertase; C423; C4b,2a,3b; C42; C5 convertase; C423; C4b,2a,3b; complement C.hivin.4.hivin2; complement C3 convertase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.43
CAS No.	56626-15-4
Reaction	Selective cleavage of Arg┼Ser bond in complement component C3 α-chain to form C3a and C3b, and Arg┼ bond in complement component C5 α-chain to form C5a and C5b
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.