Creative Enzymes®

alternative-complement-pathway C3/C5 convertase

Cat. No. EXWM-4140

Lot. No. (See product label)

Introduction

Description	A bimolecular complex of complement fragment Bb with either C3b or cobra venom factor; Bb contains the active site. Bb is formed by cleavage of proenzyme factor B by factor D. Cleavage of complement component C5 requires additional C3b which binds C5 and renders it susceptible to cleavage by C3b,Bb complex. C3b,Bb is stabilized in plasma by factor P. Complement factor B is in peptidase family S1 (trypsin family)
Synonyms	complement component C3/C5 convertase (alternative); proenzyme factor B; properdin factor B; C3 proactivator; glycine-rich β-glycoprotein; heat-labile factor; C3 convertase; C3b,Bb,CVF,Bb,C5 convertase; (C3b)n,Bb; complement C 3(C 5) convertase (amplification); alternative complement pathway C3(C5) convertase; C5 convertase; CVF,Bb; (CVF)-dependent glycine-rich-β-glucoprotein; cobra venom factor-dependent C3 convertase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.47
CAS No.	80295-67-6
Reaction	Cleavage of Arg┼Ser bond in complement component C3 α-chain to yield C3a and C3b, and Arg┼ bond in complement component C5 α-chain to yield 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 ℃.