Creative Enzymes®

mannan-binding lectin-associated serine protease-2

Cat. No. EXWM-4099

Lot. No. (See product label)

Introduction

Description	Mannan-binding lectin (MBL) recognizes patterns of neutral carbohydrates, such as mannose and N-acetylglucosamine, on a wide range of microbial surfaces and is able to initiate activation of the lectin pathway of complement. This enzyme displays C1s-like esterolytic activity (cf. EC 3.4.21.42, complement subcomponent C1s). It also cleaves C4 and C2 with efficiencies that are relatively higher than those of EC 3.4.21.42. Belongs in peptidase family S1A.
Synonyms	MASP-2; MASP2; MBP-associated serine protease-2; mannose-binding lectin-associated serine protease-2; p100; mannan-binding lectin-associated serine peptidase 2

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.104
CAS No.	214915-16-9
Reaction	Selective cleavage after Arg223 in complement component C2 (-Ser-Leu-Gly-Arg┼Lys-Ile-Gln-Ile) and after Arg76 in complement component C4 (-Gly-Leu-Gln-Arg┼Ala-Leu-Glu-Ile)
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 ℃.