Creative Enzymes®

repressor LexA

Cat. No. EXWM-4179

Lot. No. (See product label)

Introduction

Description	RecA protein and single-stranded DNA are required for activity, which is attributed to a Ser/Lys dyad. The LexA protein represses the SOS regulon, which regulates the genes involved in DNA repair. In the presence of single-stranded DNA, the RecA protein interacts with repressor LexA, causing it to undergo an autocatalytic cleavage which disrupts the DNA-binding part of the repressor, and inactivates it. The consequent derepression of the SOS regulon leads to DNA repair. This peptidase activity of LexA was previously attributed to the RecA protein. Type example of peptidase family S24
Synonyms	LexA repressor

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.88
CAS No.	84721-00-6
Reaction	Hydrolysis of Ala84┼Gly bond in repressor LexA
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 ℃.