



E. coli LexA (full length) (DAG-P2719)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	E. coli LexA full length protein
Antigen Description	E. coli LexA protein inhibits the transcription of the genes belonging to the SOS regulon that are related to DNA repair and cell division by recognizing and binding to the SOS-box sequence (TACTGTATATATACAGTA). LexA's self-protease activity is promoted by RecA protein which, responding to DNA damage, is activated by its binding to single-strand DNA accumulated in the cells. It is cleaved into two fragments and loses its function as a repressor. As the result, the expression of genes belonging to the SOS regulon is induced, and DNA repair ability and mutagenic activity in the cells are enhanced.
Species	E. coli
Purity	> 90 % by SDS-PAGE. highly purified by several steps of chromatography
Conjugate	Unconjugated
Applications	SDS-PAGE
Format	Liquid
Buffer	Preservative: None Constituents: 50% Glycerol, 5mM Beta mercaptoethanol, 2mM EDTA, 100mM Sodium chloride, 10mM Tris HCl, pH 7.5
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, 5mM Beta mercaptoethanol, 2mM EDTA, 100mM Sodium chloride, 10mM Tris HCl, pH 7.5

BACKGROUND

Introduction

Escherichia coli; commonly abbreviated E. coli) is a gram-negative, facultatively anaerobic, rod-shaped bacterium of the genus Escherichia that is commonly found in the lower intestine of warm-blooded organisms (endotherms). Most E. coli strains are harml

Keywords

Lex A; LexA repressor; E. coli LexA; Escherichia coli LexA
