



Recombinant E. coli msrB Protein (DAG-P2942)

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

PRODUCT INFORMATION

Product Overview	Active E. coli msrB full length protein
Antigen Description	Like most bacteria, Escherichia coli expresses a single msrB (Methionine-R-sulfoxide reductase) that carries out the reduction of methionine-R-sulfoxide to methionine. The E. coli enzyme belongs to a group of MsrBs, that possess a metal binding site composed of two CXXC motifs. The bound metal (zinc or iron) may stabilize the conformation of the enzymes.
Species	E. coli
Purity	> 90 % by SDS-PAGE.NiNTA purified
Conjugate	Unconjugated
Applications	SDS-PAGE FuncS
Bio-activity	Activity: 1 nmol of this antigen will reduce 0.6 nmol peptide bound Met-R-sulfoxide in 1 min at 37°C. MetO-containing peptides are reduced by the enzyme in the presence of DTT.
Format	Liquid
Buffer	Preservative: None Constituents: 33% Glycerol, Tris HCl, pH 7.4
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 33% Glycerol, Tris HCl, pH 7.4 This product is an active protein and may elicit a biological response in vivo, handle with caution.

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

ECK1776; JW1767; Methionine sulfoxide reductase B; Peptide methionine sulfoxide reductase msrB; Peptide-methionine (R)-S-oxide reductase; yeaA; *E. coli* msrB; *Escherichia coli* msrB
