



# E. coli Active Nitroreductase (full length) (DAG-P2710)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Active E. coli Nitroreductase full length protein
<b>Antigen Description</b>	Nitroreductase shows the ability to reduce quinines. It is an enzyme for activating prodrugs in antibody directed enzyme prodrug therapy. It is also capable of reducing nitrofurazone, quinones and the anti-tumor agent CB1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide). The reduction of CB1954 results in the generation of cytotoxic species.
<b>Species</b>	E. coli
<b>Purity</b>	> 90 % by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	SDS-PAGE FuncS
<b>Reconstitution</b>	Reconstitute the contents of the vial in 0.1ml water.
<b>Format</b>	Lyophilised
<b>Buffer</b>	Preservative: None Constituents: PBS, Lactose
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: PBS, Lactose This product is an active protein and may elicit a biological response in vivo, handle with caution.

## BACKGROUND

<b>Introduction</b>	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
<b>Keywords</b>	Dihydropteridine reductase; dprA; FMN dependent nitroreductase; nfnB; nfsI; ntr; Oxygen insensitive NAD(P)H nitroreductase; E. coli Nitroreductase; Escherichia coli Nitroreductase