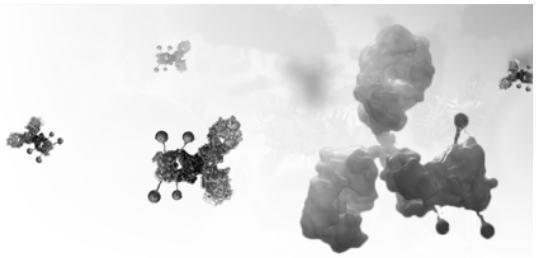

Recombinant E. coli Thioredoxin Reductase 1 (a.a. 1-321) (DAG2431)

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

PRODUCT INFORMATION

Product Overview	Recombinant human TXNRD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. This is a TRXB protein (a.a. 1-321).
Antigen Description	Thioredoxin Reductases (TR, TrxR) (EC 1.8.1.9) are the only known enzymes to reduce thioredoxin (Trx). Two classes of thioredoxin reductase have been identified: one class in bacteria and some eukaryotes and one in animals. Both classes are flavoproteins which function as homodimers. Each monomer contains a FAD prosthetic group, a NADPH binding domain, and an active site containing a redox-active disulfide bond.
Species	E. coli
Purity	Protein
Conjugate	Unconjugated
Applications	ELISA; PAGE
Concentration	1.0 mg/ml
Size	100 µg
Buffer	20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

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Introduction	Escherichia coli is a Gram-negative, rod-shaped bacterium that is commonly found in the lower intestine of warm-blooded organisms (endotherms). Most E. coli strains are harmless, but some serotypes can cause serious food poisoning in humans, and are occasionally responsible for product recalls due to food contamination. The harmless strains are part of the normal flora of the gut, and can benefit their hosts by producing vitamin K2, and by preventing the establishment of pathogenic bacteria within the intestine
Keywords	Escherichia coli; E. coli; Escherichia; Enterobacteriaceae; Enterobacteriales; Gammaproteobacteria; EC 1.8.1 protein; EC 1.8.1.9 protein; Gene associated with retinoic and IFN-induced mort; Gene associated with retinoic and interferon-induc; GRIM-12TR1 pr

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