

Recombinant E. coli grxA Protein

Cat. No. grxA-001E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant E. coli full length Grx1 protein without tag was expressed in E. coli.
Species	E.coli
Source	E.coli
Description	Glutaredoxins are ubiquitous proteins that catalyze the reduction of disulfides via reduced glutathione (GSH).
Molecular Mass	10 kDa
AA Sequence	1-85
Purity	≥90% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 nmol of eosin per minute at 37 centigrade in 100 mM potassium phosphate, pH 7.5, with 1 mM EDTA, and 0.75 μM BSA containing 20 μM glutaredoxin substrate, 250 μM NADPH, 500 μM L-glutathione reduced, and 1 U/mL glutathione reductase.
Stability	≥ 1 year
Storage	4 centigrade

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Storage Buffer Lyophilized in 5% ammonium bicarbonate

Full Length Full L.

GENE INFORMATION

Gene Name [grxA reduced glutaredoxin 1 \[Escherichia coli str. K-12 substr. MG1655 \]](#)

Official Symbol [grxA](#)

Synonyms grxA; reduced glutaredoxin 1; ECK0840; grx; reduced glutaredoxin 1

Gene ID [945479](#)

Protein Refseq [NP_415370](#)

UniProt ID [P68688](#)

**SDS-PAGE of
Glutaredoxin 1**

Lane 1: MW Markers
Lane 2: Glutaredoxin 1 (2 µg)
Lane 3: Glutaredoxin 1 (4 µg)

Glutaredoxin 1

Glutaredoxin 1 (E. coli) activity was determined using Glutaredoxin Fluorescent Activity Assay Kit.

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