

Recombinant Escherichia coli TRXA Protein (2-109 aa), His-tagged

Cat. No. TRXA-1314E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) TRXA Protein (2-109 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	E.coli
ProteinLength	2-109 aa
Description	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	15.7 kDa
AA Sequence	SDKIIHLTDDSFDTDLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAKLN IDQNPGTAPKYGIRGIPTLLLFKNGEVAATKVGALSKGQLKEFLDANLA
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
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Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
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GENE INFORMATION

Gene Name	trxA thioredoxin 1 [Escherichia coli str. K-12 substr. MG1655]
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Official Symbol	TRXA
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Synonyms	dasC; ECK3773; fipA; tsnC;
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Gene ID	948289
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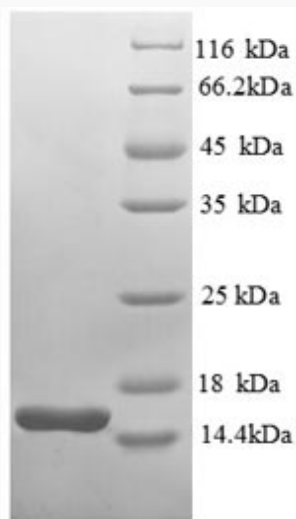
Protein Refseq	NP_418228
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UniProt ID	P0AA25
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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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