

Recombinant Escherichia coli TRXC Protein (1-139 aa), His-tagged

Cat. No. TRXC-1571E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) TRXC Protein (1-139 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	E.coli
Source	Yeast
ProteinLength	1-139 aa
Description	Efficient electron donor for the essential enzyme ribonucleotide reductase. Is also able to reduce the interchain disulfide bridges of insulin.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	17.6 kDa
AA Sequence	MNTVCTHCQAINRIPDDRIEDAAKCGRCGHDLFDGEVINATGETLDKLLKDDLPPVID FWAPWCGPCRNFAPIFEDVAQERSGKVRVVKVNTAEERELSSRFGIRSIPTIMIFKN GQVVDMLNGAVPKAPFDSWLNESL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

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centigrade for up to one week.

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.

Concentration

A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [trxC reduced thioredoxin 2 \[Escherichia coli str. K-12 substr. MG1655 \]](#)

Official Symbol [TRXC](#)

Synonyms ECK2580; yfiG;

Gene ID [947062](#)

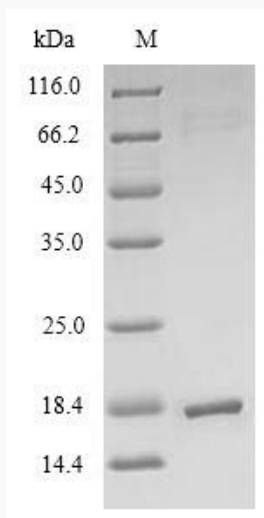
Protein Refseq [NP_417077](#)

UniProt ID [P0AGG4](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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