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## AR09459PU-L E. coli Thioredoxin-1 (TRX1) (2-109, His-tag) - Purified

Alternate names:	ECDH10B3970, TRX-1, TRXA, Thioredoxin 1		
Quantity:	0.25 mg		
Concentration:	0.5 mg/ml (determined by Absorbance at 280nm)		
Background:	Thioredoxin 1 (Trx) is a low molecular weight redox protein. Trx contains a redox active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site. It is involved in the first unique step in DNA synthesis. Trx also provides control over a number of transcription factors affecting cell proliferation and death through a mechanism referred to as redox regulation.		
Uniprot ID:	<u>B1X9Z5</u>		
NCBI:	<u>ACB04810</u>		
GenelD:	<u>6061668</u>		
Species:	E. coli		
Source:	E. coli		
Format:	<b>State:</b> Liquid purified protein <b>Purity:</b> >85% by SDS – PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT		
Description:	Recombinant E.coli TXN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MHHHHHHMGS DKIIHLTDDS FDTDVLKADG AILVDFWAEW CGPCKMIAPI LDEIADEYQG KLTVAKLNID QNPGTAPKYG IRGIPTLLLF KNGEVAATKV GALSKGQLKE FLDANLA Biological Activity: Specific activity is >70 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.		
	Molecular weight: 12.8 kDa (119 aa), confirmed by MALDI-TOF		
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.		

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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Pictures:	Recombinant E. coli Thioredoxin 1, 2-109 aa, His-tagged: 15% SDS-PAGE (3 ug)	(kDa) 28	
		18 🕳	
		13.5	
		8.5	

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