

Product datasheet for **AR09459PU-N**

Thioredoxin-1 (TRX1) (2-109, His-tag) Escherichia coli Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Thioredoxin-1 (TRX1) (2-109, His-tag) e. coli recombinant protein, 50 µg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MHHHHH</u> MGSKDKIIHLTDDS FDTDVLKADG AILVDFWAEW CGPCKMIAP I LDEIADEYQG KLTVAKLNID QNPGTAPKYG IRGIPTLLLF KNGEVAATKV GALS KG QLKE FLDANLA
Tag:	His-tag
Predicted MW:	12.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Bioactivity:	Biological: 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.
Preparation:	Liquid purified protein
Protein 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.
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.
Stability:	Shelf life: one year from despatch.
Summary:	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.



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Product images: