

E. Coli recombinant protein Thioredoxin 1
E. Coli Recombinant Thioredoxin 1
Catalog # PBV10566r**Specification**

E. Coli recombinant protein Thioredoxin 1 - Product info

Primary Accession	P0A9P4
Concentration	0.5
Calculated MW	12.9 kDa KDa

E. Coli recombinant protein Thioredoxin 1 - Additional Info

Gene ID	949054
Gene Symbol	TRXB
Other Names	
dasC, fipA, tsnC	
Gene Source	E. Coli
Source	E. coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MHHHHHHMGS DKIIHLTDDS FDTDVLKADG AILVDFWAEW CGPCKMIAP I LDEIADEYQG KLTVAKLNID QNPGTAPKYG IRGIPTLLLF KNGEVAATKV GALS K GQLKE FLDANLAGS

Format
Liquid**Storage**

-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol and 1mM DTT.

E. Coli recombinant protein Thioredoxin 1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

E. Coli recombinant protein Thioredoxin 1 - Images**E. Coli recombinant protein Thioredoxin 1 - Background**

Thioredoxin (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. It has also recently been found to play a role in cell-to-cell communication.

E. Coli recombinant protein Thioredoxin 1 - References

Russel M., et al. J. Biol. Chem. 263:9015-9019(1988).
Oshima T., et al. DNA Res. 3:137-155(1996).
Blattner F.R., et al. Science 277:1453-1462(1997).
Hayashi K., et al. Mol. Syst. Biol. 2:E1-E5(2006).
Delaney J.M., et al. J. Bacteriol. 175:166-175(1993).