

Human recombinant protein Thioredoxin
Human Recombinant Thioredoxin
Catalog # PBV10544r**Specification**

Human recombinant protein Thioredoxin - Product info

Primary Accession	P10599
Concentration	1
Calculated MW	11.7 kDa (105 aa) KDa

Human recombinant protein Thioredoxin - Additional Info

Gene ID	7295
Gene Symbol	TXN
Other Names	
TXN, TRX, TRX1	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MVKQIESKTA FQEALDAAGD KLVVVD FSAT WCGPCKMIKP FFHSLSEKYS NVIFLEVDVD DCQDVASECE VKCMPTFQFF KKGQKVGEFS GANKEKLEAT INELV

Format
Liquid**Storage**
-80°C; 1 mg/ml solution in PBS (pH 7.4).**Human recombinant protein Thioredoxin - 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](#)

Human recombinant protein Thioredoxin - Images**Human recombinant protein Thioredoxin - 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. Recombinant human thioredoxin-1 was overexpressed in *E. coli* and purified by using conventional chromatography techniques.

Human recombinant protein Thioredoxin - References

Wollman E.E., et al. *J. Biol. Chem.* 263:15506-15512(1988).
Tagaya Y., et al. *EMBO J.* 8:757-764(1989).
Tonissen K.F., et al. *Gene* 102:221-228(1991).
Reddy P.G., et al. Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
Liu A., et al. Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.