Thioredoxin-1 Human, Recombinant, *E.coli*

Cat. No.TRX0501 **Size : 1 ㎎**
Cat. No.TRX0551 **Size : 100 ㎍**

Description: 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.

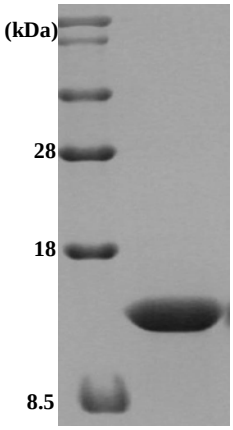
Recombinant human thioredoxin-1 was overexpressed in *E. coli* and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate buffer saline(PBS), pH 7.4

Molecular Weight : 11.7 kDa(105aa)

Purity: ≥ 95% by SDS PAGE **Concentration :** 1 mg/ml

Sequence: MVKQIESKTA FQEALDAAGD KLVVVDFSAT WCGPCKMIKP FFHSLSEKYS NVIFLEVDVD DCQDVASECE VKCMPTFQFF KKGQKVGEFS GANKEKLEAT INELV



15% SDS-PAGE

General References :

Pigiet, VP., *et al*.(1986) *Proc. Natl.Acad.Sci. USA* 83,7643
Lundstrom J., Holmgen A (1990) *J.Biol. chem..* 265,9114
Laurent TC., *et al.*(1964) *J.Biol.Chem*.239,3426

Storage : Store at -20 °C. Avoid freeze/thaw cycles

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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