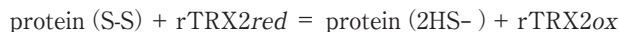


# rTRX2

## Thioredoxin 2, recombinant from yeast

Host cell : *E. coli*

### Reaction Equation



### Specification

#### Specific Activity

Activity per mg protein

#### Purity

SDS-PAGE analysis  
using 1  $\mu$ g of the protein

#### Specifications

$\geq 3$  units

$\geq 95\%$

### Molecular Size

12 kD in SDS-PAGE analysis

### Assay Procedure

#### I. Spectrophotometric Method

Wavelength ; 650 nm, Light path length ; 1 cm,  
Temperature ; 25°C

Pipette the following reagents into a cuvette

3.01 mL	KH <sub>2</sub> PO <sub>4</sub> -NaOH buffer (0.1 mol/L, pH 6.5) containing EDTA (2 mmol/L), Bovine insulin (0.8 $\mu$ g/mL), Dithiothreitol (0.33 mmol/L)
0.01 mL	rTRX2 (about 5 IU/mL)

#### II. Calculation

$$\frac{\Delta A/\text{min} \cdot V \cdot D}{1.0 \cdot v} = \text{IU/mL}$$

$\Delta A/\text{min}$  = The change in absorbance at 650 nm/minute

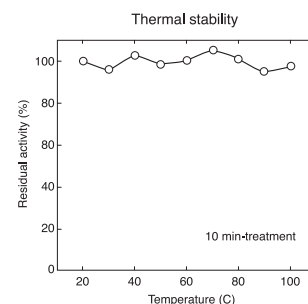
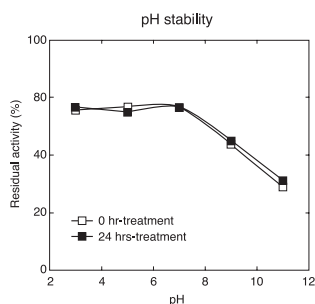
V = Total volume of reaction mixture (3.02 mL)

D = Enzyme dilution factor

1.0 = Light path length (cm)

v = Sample volume (0.01 mL)

### Reference Data



### Preparation and storage

Product Code : rTRX2-03

Lyophilized powder (contains no ammonium sulfate)

.....below -20°C

### OYC No./Package

OYC No.	Package
47759000	1 mg

(Research reagent use only, not for medical use.)



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