

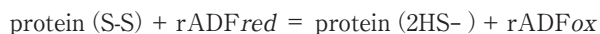
r A D F

Adult T-cell leukemia derived factor, recombinant from human

(recombinant human thioredoxin 1)

Host cell : E. coli

Reaction Equation



Specification

Specific Activity

Activity per mg protein

Purity

SDS-PAGE analysis
using 1 μ g of the protein

Specifications

≥ 3 units

$\geq 95\%$

Molecular Size

12 kDa 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 ₂ PO ₄ -NaOH buffer (0.1 mol/L, pH 6.5) containing EDTA (2 mmol/L), Bovine insulin (0.8 μ g/mL), Dithiothreitol (0.33 mmol/L)
0.01 mL	rADF (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

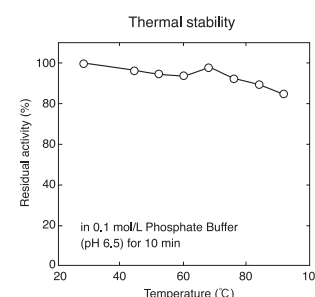
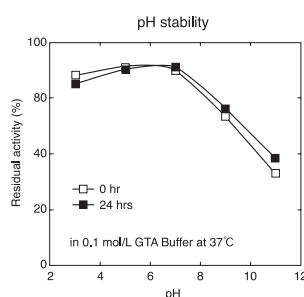
V = Total volume of reaction mixture (3.02 mL)

D = Enzyme dilution factor

1.0 = Light path length (cm)

v = Sample volume (0.01 mL)

Reference Data



Preparation and storage

Product Code : rADF03

Lyophilized powder (contains no ammonium sulfate)

.....below -20°C

OYC No./Package

OYC No.	Package
47751900	0.1 mg
47755000	1 mg

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



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