

Yeast Yeast Thioredoxin Reductase (NADPH/NTR) - Purified

Catalog No.:	PA1257
Quantity:	5 µg
Background:	Thioredoxin reductase (TrxR/NTR), an enzyme belonging to the flavoprotein family of pyridine nucleotide-disulfide oxidoreductases. Thioredoxin reductase (TrxR), a component of the thioredoxin system, including thioredoxin (Trx) and NADPH, catalyzes the transfer of electrons from NADPH to Trx, acts as a reductant of disulfide-containing proteins and participates in the defense system against oxidative stresses.
Species:	Yeast
Source:	E. coli
Format:	State: Sterile filtered white lyophilized powder Purity: >98% Purified by proprietary chromatographic techniques; purity is greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE Buffer System: Each mg of protein contains 20 mM phosphate buffer pH 7.4 and 0.15 M sodium chloride Reconstitution: In sterile 18MΩ-cm H ₂ O.
Description:	Recombinant Yeast Thioredoxin Reductase (NADPH) is a single, non-glycosylated, polypeptide chain. Specific Activity: 5 IU/mg 5 IU/mg Molecular weight: 36 kDa 36 kDa
Add. Information:	One unit equals the change in absorbance at 412 nm per minute at 25 °C using 0.2 mM NADPH containing 5mM DTNB (pH 7.0)
Storage:	Product is stable at 2 - 8 °C for 3 weeks, should be stored desiccated below -18 °C. Please avoid freeze thaw cycles. Shelf life: One year from despatch.