

Yeast Yeast Thioredoxin Reductase (NADPH/NTR) - Purified

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| Catalog No.: | PA1257X |
| Quantity: | 20 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. |