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## PA1257XC OriGene EU

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## Yeast Yeast Thioreduxin Reductase (NADPH/NTR) -**Purified** PA1257XC **Catalog No.: Quantity:** 1 mg **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 $18M\Omega$ -cm H2O. Recombinant Yeast Thioredoxin Reductase (NADPH) is a single, non-glycosylated, **Description:** 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) Product is stable at 2 - 8 °C for 3 weeks, should be stored desiccated below -18 °C. Storage: Please avoid freeze thaw cycles. Shelf life: One year from despatch.

**For research and in vitro use only. Not for diagnostic or therapeutic work.** Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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