



Recombinant Yeast Thioredoxin 2 (DAG3054)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Yeast Thioredoxin 2
Species	Yeast
Purity	> 95%
Conjugate	Unconjugated
Applications	immunoassay development or other applications.
Format	Lyophilized powder (contains no ammonium sulfate)
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. Induces the FOS/JUN AP-1 DNA-binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity. ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55).
Keywords	TXN; thioredoxin; TRX; TRDX; TRX1; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphhydryl protein;