Creative Enzymes®

Disulfide Oxidoreductase, Recombinant

Cat. No. NATE-0828

Lot. No. (See product label)

Introduction

Description	DsbA appears to be necessary for correct formulation of disulfide bonds in exported proteins in vivo. DsbA is useful as a standard in immunoblotting. This protein catalyses the reduction and exchange of disulfide bonds and the oxidation of free sulfhydryl groups in vitro. It is the strongest oxidant of the thioredoxin superfamily. This thio/disulfide oxidoreductase is required for efficient disulfide bond formation in the periplasm of E. coli
Applications	Western Blot
Synonyms	DsbA; Thiol:disulfide interchange protein dsbA; Disulfide Oxidoreductase

Product Information

Source	E. coli
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Molecular Weight	23,149 Da
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Buffer	The protein was lyophilized after from a sterile solution containing 50mM sodium phosphate buffer and 100mM sodium chloride.

Storage and Shipping Information

Stability	Lyophilized DsbA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution DsbA should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.