

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.