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32-2283: DsbA Recombinant Protein

Alternative Name : DsbA,Thiol:disulfide interchange protein dsbA.

Description

Source : Escherichia Coli. Disulfide Oxidoreductase produced in E.Coli is a periplasmic protein isolated from E. coli, containing 208 amino acids having a molecular mass of 23,149 Dalton. The DsbA is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	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.
Storage condition :	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.
Amino Acid :	The sequence of the first five N-terminal amino acidswas determined and was found to be Met-Ly-Lys-Ala-Trp.

Application Note

It is recommended to reconstitute the lyophilized DsbA in sterile 18MÃ□Â©-cm H2O not less than 100 Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.