

Disulfide Oxidoreductase Recombinant

Item Number	rAP-1774
Synonyms	DsbA, Thiol:disulfide interchange protein dsbA.
Description	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.
Uniprot Accesion Number	P0AEG4
Amino Acid Sequence	The sequence of the first five N-terminal amino acidswas determined and was found to be Met-Ly-Lys-Ala-Trp.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized after from a sterile solution containing 50mM sodium phosphate buffer and 100mM sodium chloride. Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized DsbA in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**