9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DsbG E.Coli

Thiol Disulfide Interchange Protein E.Coli Recombinant DsbG
RCP0685

Product Overview

Name	DsbG E.Coli

Description

Thiol Disulfide Interchange Protein E.Coli Recombinant DsbG

Accession (Primary)	P77202

Synonyms

Thiol:disulfide interchange protein dsbG, dsbG, ybdP, b0604, JW0597.

Introduction

Dsb proteins are in charge for the formation and rearrangement of disulfide bonds during the folding of secreted and membrane proteins in bacteria. DsbG has disulfide bond isomerase and chaperone activity. DsbG interacts with refolding intermediates of chemically denatured citrate synthase and prevents their aggregation in vitro. DsbG shares sequnce homology with DsbC. DsbG forms a stable periplasmic dimer and displays an equilibrium constant with glutathione comparable with DsbA and DsbC. DsbG is expressed at roughly 25% level of DsbC.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The DsbG protein solution contains 20mM Tris-HCl, pH-8, 2mM EDTA and 10% Glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MEELPAPVKA IEKQGITIIK TFDAPGGMKG YLGKYQDMGV TIYLTPDGKH AISGYMYNEK GENLSNTLIE KEIYAPAGRE MWQRMEQSHW LLDGKKDAPV IVYVFADPFC PYCKQFWQQA RPWVDSGKVQ LRTLLVGVIK PESPATAAAI LASKDPAKTW QQYEASGGKL KLNVPANVST EQMKVLSDNE KLMDDLGANV TPAIYYMSKE NTLQQAVGLP DQKTLNIIMG NK.

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Precautions

DsbG E.Coli is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P77202)