
Product Data Sheet

Product Name: DsbC
 Cat. No.: GP21572
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DsbC; Thiol:disulfide interchange protein dsbC.		
Amino Acid Sequence	DDAAIQQTLA KMGIKSSDIQ PAPVAGMKTV LTNSGVLYIT DDGKHIIQGP MYDVSGTAPVNVTKMLLKQ LNALEKEMIV YKAPQEKHVI VFTDITCGY CHKLHEQMAD YNALGITVRYLAFPRQLDS DAEKEMKAIW CAKDKNKAFD DVMAGKSVAP ASCDVDIADH YVLGVQLGVSGTPAVVLSNG TLVPGYQPPK EMKEFLDEHQ KMTSGK.		
Formulation	1 mg/ml solution containing 20mM Tris-HCl buffer pH 7.5 and 2mM EDTA.		

Introduction

Dsb proteins (DsbA, DsbB, DsbC, and DsbD) catalyze formation and isomerization of protein disulfide bonds in the periplasm of Escherichia coli. DsbC is periplasmic enzyme known as a disulfide isomerase and can convert aberrant disulfide bonds to correct ones.

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.

Background

Disulfide-Bond Isomerase Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 216 amino acids (21-236) and having a molecular mass of 23.5 kDa. DsbC is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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