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## Product Data Sheet

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Product Name: DsbE E.Coli  
 Cat. No.: GP25080  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Thiol:disulfide interchange protein dsbE; Cytochrome c biogenesis protein ccmG; dsbE; ccmG; yejQ; b2195; JW2183.		
Amino Acid Sequence	MRNAEGDDPT NLESALIGKP VPKFRLESLD NPGQFYQADV LTQGKPVLLN VWATWCPTCR AEHQYLNQLS AQGIRVVGMM YKDDRQKAIS WLKELGNPYA LSLFDGDGML GLDLGVYVYV GAP ETFLIDGNGI IRYRHAGDLN PRVWEEIIP LWEKYSKEAA Q.		
Formulation	The DsbE protein solution contains 20mM Tris-HCl, pH-7.5, 2mM EDTA and 10% Glycerol.		

### Introduction

DsbE is a reducing Dsb protein involved in electron transfer for cytochrome c maturation in the periplasm of Escherichia coli. DsbE is one of 12 proteins required for their assembly in the periplasm. DsbE functions is to decrease disulphide bonds formed among correctly paired cysteine residues in the cytochrome c apoproteins prior to haem attachment by CcmF and CcmH.

### 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

Recombinant DsbE produced in E.Coli is a single, non-glycosylated polypeptide chain containing 161 amino acids and having a molecular mass of 18.1 kDa. DsbE is purified by conventional chromatography techniques.

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

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