

DsbE E.Coli

Description: 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.

Catalog #: HYPS-032

Synonyms: Thiol:disulfide interchange protein dsbE, Cytochrome c biogenesis protein ccmG, dsbE, ccmG, yejQ, b2195, JW2183.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MRNAEGDDPT NLESALIGKP VPKFRLESLD NPGQFYQADV
LTQKGKPVLLN VWATWCPTCR AEHQYLNQLS AQQIRVVGMN YKDDRQKAIS WLKELGNPYA
LSLFDGDGML GLDLGVYGAP ETFLIDGNGI IRYRHAGDLN PRVWEEIIP LWEKYSKEAA Q.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The DsbE protein solution contains 20mM Tris-HCl, pH-7.5, 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.

Usage:

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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.

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