

Product datasheet

Recombinant *E. coli* Thiol:disulfide interchange protein dsbE ab117171

Overview

Product name	Recombinant <i>E. coli</i> Thiol:disulfide interchange protein dsbE
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession [P0AA86](#)

Species Escherichia coli

Sequence
 MRNAEGDDPT NLESALIGKP VPKFRLES LD
 NPGQFYQADV LTQGKPVLLN VWATWCPTCR
 AEHQYLNQLS AQQIRVVG MN YKDDRQKAIS
 WLKELGNPYA LSLFDGDGML GLDLGVY GAP
 ETFLIDGNGI IRYRHAGDLN PRVWEEEEIKP
 LWEKYSKEAA Q

Molecular weight 18 kDa

Amino acids 26 to 185

Additional sequence information 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.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab117171** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Purity	> 95 % SDS-PAGE. ab117171 is purified by proprietary chromatographic techniques.
Form	Liquid
Additional notes	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid

multiple freeze-thaw cycles.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.32% Tris HCl, 0.058% EDTA, 10% Glycerol

General Info

Relevance

DsbE is a reducing Dsb protein implicated 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. Its postulated function is to reduce disulphide bonds formed between correctly paired cysteine residues in the cytochrome c apoproteins prior to haem attachment by CcmF and CcmH.

Cellular localization

Cell inner membrane; Single-pass membrane protein; Periplasmic side.

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