

Recombinant E.coli dsbE protein

Catalog Number: ATGP0283

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-185aa

UniProt No.

P0AA86

NCBI Accession No.

NP_416699

Alternative Names

Thiol:disulfide interchange protein dsbE, CcmG, yejQ, Cytochrome c biogenesis protein ccmG, ECK2187, Periplasmic thioredoxin of cytochrome c type biogenesis, JW2183

PRODUCT SPECIFICATION

Molecular Weight

18.1 kDa (161aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 2mM EDTA 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DsbE, also called CcmG, 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. Recombinant DsbE protein was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MRNAEGDDPT NLESALIGKP VPKFRLES LD NPGQFYQADV LTQGKPVLLN VWATWCPTCR AEHQYLNQLS AQQIRVVGMMN
YKDDRQKAIS WLKELGNPYA LSLFDGDGML GLDLGVYGAP ETFLIDGNGI IRYRHAGDLN PRWEEEEIKP LWEKYSKEAA Q

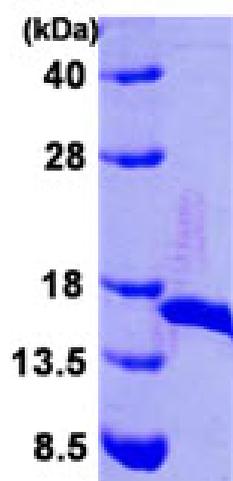
General References

Reid E., et al. (2001). *Biochem J.* 355(1):51-8.

Li Q., et al. (2001). *Biol Chem.* 382(12):1679-86

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)