

# Recombinant E.coli dsbC protein

Catalog Number: ATGP3752

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

21-236aa

### UniProt No.

P0AEG6

### NCBI Accession No.

NP\_417369

### Alternative Names

Thiol:disulfide interchange protein, Protein disulfide isomerase DsbC, Protein disulfide isomerase II, xprA

## PRODUCT SPECIFICATION

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### Molecular Weight

23.5 kDa (217aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

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

### 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

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### Description

DsbC, also known as Protein disulfide isomerase II, belong to the Dsb family. DsbC is periplasmic enzyme known as a disulfide isomerase and can convert aberrant disulfide bonds to correct ones. DsbC consists of 236 amino acids containing signal peptide (1-20 amino acids). Recombinant E. coli DsbC was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MDDAAIQQTL AKMGIKSSDI QPAPVAGMKT VLTNSGVLYI TDDGKHIIQG PMYDVSGTAP VNVTKMLLK QLNALEKEMI

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VYKAPQEKHV ITVFTDITCG YCHKLHEQMA DYNALGITVR YLAFPRQLD SDAEKEMKAI WCAKDKNKAF DDVMAGKSV  
PASCDVDIAD HYALGVQLGV SGTPAVVLSN GTLVPGYQPP KEMKEFLDEH QKMTSGK

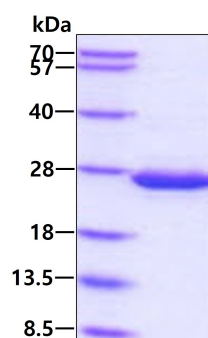
## General References

Hayashi K., et al. (2006) Mol Syst Biol. 2:2006.0007.

Riley M., et al., (2006) Nucleic Acids Res. 34(1):1-9.

## DATA

### SDS-PAGE



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