

Recombinant E.coli dsbC protein

Catalog Number: HSP0602

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-236aa

UniProt No.

A0A140N4H6

NCBI Accession No.

CAQ33205.1

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

23.6 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

Description

Dsb proteins (DsbA, DsbB, DsbC, and DsbD) catalyze formation and isomerization of protein disulfide bonds in the periplasm of Escherichia coli. 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 DsbC was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

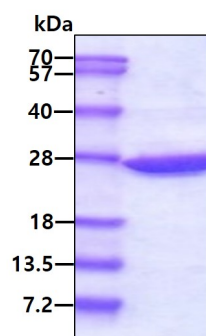
MDDAAIQQTL AKMGIKSSDI QPAPVAGMKT VLTNSGVLYI TDDGKHIIQG PMYDVSGTAP VNVTNKMLLK QLNALKEMI
VYKAPQEKHV ITVFTDITCG YCHKLHEQMA DYNALGITVR YLAFPRQLD SDAEKEMKAI WCAKDKNKAF DDVMAGKSV
PASCDVDIAD HYVLGVQLGV SGTPAVVLSN GTLVPGYQPP KEMKEFLDEH QKMTSGK

General References

Peter W., et al. (2002). EMBO 21, 4774-4784
Laura Segatori., et al. (2004). PNAS 27, 10018-10023

DATA

SDS-PAGE



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