



## Product Datasheet

<b>Product Name</b>	Disulfide-Bond Isomerase Recombinant
<b>Cata No</b>	CB500470
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	DsbC, Thiol:disulfide interchange protein dsbC.

### 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.

Disulfide-Bond Isomerase Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 216 amino acids (21-236) and having a molecular mass of 23.5 kDa.

DsbC is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

1 mg/ml solution containing 20mM phosphate buffer pH 7.5 and 20mM EDTA.

### Stability

Disulfide-Bond Isomerase Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

**Please prevent freeze-thaw cycles.**

### Sequence

DDAAIQQTLA KMGIKSSDIQ PAPVAGMKTV  
LTNSGVLYIT DDGKHIIQGP  
MYDVSGTAPVNVNKNMLLKQ LNALEKEMIV  
YKAPQEKHVI VFTDITCGY CHKLHEQMAD  
YNALGITVRYLAFPRQGLDS DAEKEMKAIW  
CAKDKNKAFD DVMAGKSVAP ASCDVDIADH  
YVLGVQLGVSGTPAVVLSNG TLVPGYQPPK  
EMKEFLDEHQ KMTSGK.

### Applications

- 1. Western blot
- 2. ELISA