

Product datasheet

Recombinant *E. coli* Disulfide-bond isomerase protein  
ab229511

1 Image

Description

<b>Product name</b>	Recombinant <i>E. coli</i> Disulfide-bond isomerase protein	
<b>Purity</b>	> 95 % SDS-PAGE. ab229511 was purified using conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P0AEG6</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Escherichia coli	
<b>Sequence</b>	MDDAAIQQTLAKMGIKSSDIQPAPVAGMKTVLTNSGVLYIT DDGKHIIQG PMYDVSGTAPVNVNKNMLLKQLNALEKEMIVYKAPQEKH VITVFTDITCG YCHKLHEQMADYNALGITVRYLAFPRQGLDSDAEKEMKAI WCAKDKNKAF DDVMAGKSVAPASCDVDIADHYALGVQLGVSGTPAVVLS NGTLVPGYQPP KEMKEFLDEHQMTSGK	
<b>Predicted molecular weight</b>	24 kDa including tags	
<b>Amino acids</b>	21 to 236	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	This product is the mature full length protein from aa 21 to 236. The signal peptide is not included (NP_417369).	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab229511** in the following tested applications.

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

<b>Applications</b>	Mass Spectrometry
	SDS-PAGE

<b>Mass spectrometry</b>	MALDI-TOF
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**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.50

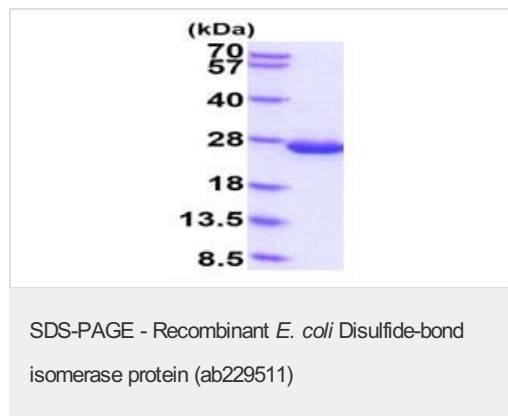
Constituents: 0.32% Tris HCl, 0.06% EDTA

## General Info

**Relevance** Dsb proteins (DsbA, DsbB, DsbC, and DsbD) catalyze formation and isomerization of protein disulfide bonds in the periplasm of *Escherichia coli*. Disulphide bond isomerase (DsbC), a member of the thioredoxin superfamily, acts as a disulfide isomerase and converts aberrant disulfide bonds to correct ones. It also acts by transferring its disulfide bond to other proteins and is reduced in the process. DsbC is reoxidized by a yet uncharacterized protein.

**Cellular localization** Periplasm

## Images



15% SDS-PAGE analysis of 3 µg ab229511.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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