

Recombinant E.coli Disulfide Oxidoreductase A

Cat. No. DsbA-80E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant DsbA (residues 20-208) was expressed in E. coli and purified by using conventional chromatography techniques, 21.1kDa (189aa).
Species	E.coli
Source	E.coli
ProteinLength	20-208 a.a.
Description	Recombinant Disulfide Oxidoreductase (rDsbA), produced from E.coli is a periplasmic protein and thioredoxin superfamily member which introduces disulfide bonds directly into substrate proteins by donating the disulfide bond in its active-site Cys30-Pro31-His32-Cys33 to a pair of cysteines in substrate proteins. DsbA consists of 208 amino acids containing signal peptide (1-19 amino acids).
Sequences of amino acids	AQYEDGKQYT TLEKPVAGAP QVLEFFSFFC PHCYQFEEVL HISDNVKKKL PEGVKMTKYH VNFMGGDLGK DLTQAWAVAM ALGVEDKVTV PLFEGVQKTQ TIRSASDIRD VFINAGIKGE EYDAAWNSFV VKSLVAQQEK AAADVQLRGV PAMFVNGKYQ LNPQGMDTSN MDV FVQQYAD TVKYLSEKK
Formulation	Liquid. In 20 mM HepesI buffer (pH 7.5) containing 2 mM EDTA
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION**Gene Name**

dsbA periplasmic protein disulfide isomerase I [*Escherichia coli* str. K-12 substr. MG1655]

Synonyms

dsbA; Disulfide Oxidoreductase A; dsf; ECK3852; iarA; JW3832; ppfA; periplasmic protein disulfide isomerase I; Thiol:disulfide interchange protein dsbA

Gene ID

948353

mRNA Refseq**Protein Refseq**

NP_418297

UniProt ID

P0AEG4

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