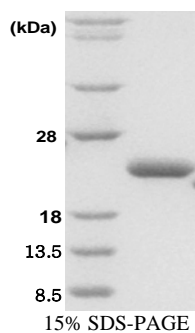


Product: Disulfide Oxidoreductase (DsbA)
Catalog #: 01-2261
Amount: 50 µg

SOURCE: Recombinant, *E. coli*
DESCRIPTION: Recombinant Disulfide Oxidoreductase (rDsbA), 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). Recombinant DsbA (residues 20-208) was expressed in *E. coli*

AA Sequence: (20-208 aa)

AMKKIWLALAG LVLAFFSASAA QYEDGKQYTT LEKPVAGAPQ VLEFFSFFCP
HCYQFEEVLH ISDNVKKKLP EGVKMTKYHV NFMGGDLGKD LTQAWAVAMA
LGVEDKVTVP LFEGVQKTQT IRSASDIRDV FINAGIKGEE YDAAWNSFVV
KSLVAQQEKA AADVQLRGVP AMFVNGKYQL NPQGMDSNM DVFVQQYADT
VKYLSEKK



PURITY: Greater than 95% determined by SDS-PAGE
MOLECULAR WEIGHT: 21.1 kDa (189 aa)
PRESENTATION: Purified, in 20mM Tris pH 7.5 , 2mM EDTA
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

Charbonnier, J. B. *et al.* (1999). *Protein Sci.* **8**: 96-105
Inaba, K. *et al.* (2004). *J. Biol. Chem.* **279**: 6761-6768