

**Disulfide oxidoreductase (DsbA) E.coli, Recombinant, expressed in E.coli**

**Cat.NO.: TP01881**

3th Edition

**Synonyms:**Disulfide oxidoreductase A, Thiol:disulfide interchange protein dsbA, dsf, ppfA

**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.

**Form:**Liquid. In 20 mM HepesI buffer (pH 7.5) containing 2 mM EDTA

**Molecular Weight:**21.1kDa (189aa), confirmed by MALDI-TOF

**Sequences:**

AQYEDGKQYTTLEKPVAGAPQVLEFFSFFCPHCYQFEEVLHISDNVKKKLPEGVKMTKYHVNFMGDDLKDLTQA  
WAVAMALGVEDKVTVPLFEGVQKTQTIRSASDIRDVFINAGIKGEEYDAAWNSFVVKSLVAQQEKAADVQLRGVP  
AMFVNGKYQLNPQGMDTSNMDVFVQQYADTVKYLSEKK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.