

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
AMFVNGKYQLNPQGMDTSNMDVVFVQQYADTVKYLSEKK

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.