

DsbE, 26-185 aa, E.coli, Recombinant, E.coli

Cat.NO.: TP01924

3th Edition

Synonyms:Thiol:disulfide interchange protein dsbE, CcmG, yejQ

Description:DsbE, also called CcmG, is a reducing Dsb protein implicated in electron transfer for cytochrome c maturation in the periplasm of Escherichia coli. DsbE is one of 12 proteins required for their assembly in the periplasm. Its postulated function is to reduce disulphide bonds formed between correctly paired cysteine residues in the cytochrome c apoproteins prior to haem attachment by CcmF and CcmH.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 2 mM EDTA 10% glycerol.

Molecular Weight:18.1 kDa (161aa), confirmed by MALDI-TOF

Sequences:

MRNAEGDDPTNLESALIGKPVPKFRLESLDNPGQFYQADVLTQGKPVLLNVWATWCPTCRAEHQYLNQLSAQGIR
VVGMMNYKDDRQKAISWLKELGNPYALSFLDGDGMLGLDLGVYGAPETFLIDGNGIIRYRHAGDLNPRVWEEIEKPL
WEKYSKEAAQ

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.