

DsbG, 18-248aa, E.coli, Recombinant, E.coli

Cat.NO.: TP01925

3th Edition

Synonyms:Thiol:disulfide interchange protein dsbG, ybdP

Description:Dsb proteins control the formation and rearrangement of disulfide bonds during the folding of secreted and membrane proteins in bacteria. DsbG, a member of this family, has disulfide bond isomerase and chaperone activity. So DsbG was shown to interact with refolding intermediates of chemically denatured citrate synthase and prevents their aggregation in vitro.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM EDTA,10% glycerol

Molecular Weight:25.8 kDa(232 aa), confirmed by MALDI-TOF

Sequences:

MEELPAPVKAIEKQGITIIKTFDAPGGMKGYLGKYQDMGVTIYLTDPDGKHAISGYMYNEKGENLSNTLIEKEIYAPAG
REMWQRMEQSHWLLDGKKDAPVIVYVFADPFCPYCKQFWQQARPWVDSGKVQLRTLTVGVIKPESPATAAAILAS
KDKPAKTWQQYEASGGKLKLNVPANVSTEQMKVLSDNEKLMDDLGANVTPAIYYMSKENTLQQAVGLPDQKTLNIIM
GNK

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.