NKMAXBio We support you, we believe in your research

Recombinant E.coli dsbA protein

Catalog Number: HSP0601

PRODUCT INFORMATION

Expression system
E.coli

Domain
20-208aa

UniProt No.
P0AEG4

NCBI Accession No.
NP_418297

Alternative Names
Thiol disulfide interchange protein dsbA, rpbB, ppfA, dsf, DsDNA-binding protein A, dsbA, Double-stranded DNA-binding protein, Disulfide oxidoreductase A periplasmic protein disulfide isomerase I, Disulfide oxidoreductase A, Disulfide oxidoreductase (DsbA) E.coli

PRODUCT SPECIFICATION

Molecular Weight
21.2 kDa (190aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 2mM EDTA

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. DsbA consists of 208 amino acids containing signal peptide (1-19 amino acids). Recombinant DsbA (residues 20-208) was expressed

in E. coliand purified by using conventional chromatography techniques.

Amino acid Sequence

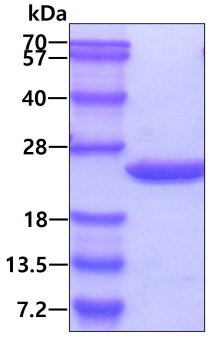
MAQYEDGKQY TTLEKPVAGA PQVLEFFSFF CPHCYQFEEV LHISDNVKKK LPEGVKMTKY HVNFMGGDLG KDLTQAWAVA MALGVEDKVT VPLFEGVQKT QTIRSASDIR DVFINAGIKG EEYDAAWNSF VVKSLVAQQE KAAADVQLRG VPAMFVNGKY QLNPQGMDTS NMDVFVQQYA DTVKYLSEKK

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.