

Recombinant Periplasmic Thioredoxin of Cytochrome C-type Biogenesis

Cat. No. CcmG-340 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant DsbE protein was expressed in E.coli and purified by using conventional chromatography (161 aa, 18.1 kDa).
Species	Human
Source	E.coli
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.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 2 mM EDTA, 10% glycerol.
Molecular Weight	18.1 kDa (161 aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MRNAEGDDPT NLESALIGKP VPKFRLES LD NPGQFYQADV LTQGKPVLLN VWATWCPTCR AEHQYLNQLS AQGIRVVG MN YKDDRQKAIS WLKELGNPYA LSLFDGDGML GLDLGVYGAP ETFLIDGNGI IRYRHAGDLN PRWEEEEIKP

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LWEKYSKEAA Q

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.

GENE INFORMATION**Synonyms****Gene Name**

ccmG

Gene ID

949073

Protein Refseq

NP_416699.1

UniProt ID

P0AA86

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