

Recombinant E.coli Protein Export Chaperone

Cat. No. secB-408E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli SecB protein was expressed in E.coli and purified by using conventional chromatography, 17.2 kDa (155aa).
Species	E.coli
Source	E.coli
Description	SecB, a remarkable chaperone involved in protein export, binds diverse ligands rapidly with high affinity and low specificity. It plays a crucial role during protein export via the general secretory pathway by modulating the partitioning of precursors between folding or aggregation and delivery to the membrane-bound translocation apparatus. SecB has the potential to participate in functions outside of export acting as a general nonspecific chaperone to provide buffering capacity of the nonnative state of proteins in the cytosolic pool.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MSEQNNTMT FQIQRIYTKD ISFEAPNAPH VFQKDWQPEV KLDLDTASSQ LADDVYEVVL RVTVTASLGE ETAFLCEVQQ GGIFSIAGIE GTQMAHCLGA YCPNILFPYA RECITSMVSR GTFPQLNLAP VNFDALFMNY LQQQAGEGTE EHQDA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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**Gene Name**

secB protein export chaperone [*Escherichia coli* str. K-12 substr. MG1655]

Synonyms

ECK3599; JW3584; secB; protein export chaperone; protein export; molecular chaperone; may bind to signal sequence.

Gene ID

948123

Protein Refseq

NP_418066

UniProt ID

P0AG86

Pathway

Protein export

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