

Product information



SecB, 1-155 aa

E.coli, Recombinant, *E.coli*

Cat. No. IBATGP0318

Synonyms: Protein export chaperone

NCBI Accession No.: NP_418066

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. Recombinant *E.coli* SecB protein was expressed in *E.coli* and purified by using conventional chromatography.

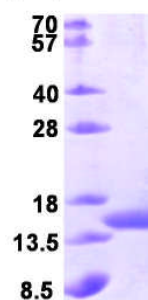
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight: 17.2 kDa (155aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

(kDa)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MSEQNNTMT FQIQRIYTKD ISFEAPNAPH VFQKDWQPEV KLDLDTASSQ LADDVYEVVL RVTVTASLGE ETAFLCEVQQ GGIFS IAGIE
GTQMAHCLGA YCPNILFPYA RECITSMVSR GTFPQLNLAP VNFDA LFMNY LQQQAGEGTE EHQDA

General references:

Driessen AJ., *et al.* (2008), *Annu Rev Biochem.* **77**:643-67.

Bechtluft P., *et al.* (2007). *Science.* **318**(5855):1458-61.

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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