

SecB, 1-155 aa, E.coli, Recombinant, E.coli

Cat.NO.: TP03880

3th Edition

Synonyms:Protein export chaperone

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)

Sequences:

MSEQNNTEMTFQIQRIYTKDISFEAPNAPHVFQKDWQPEVKLDLDTASSQLADDVYEVVLRVTVTASLGEETAFLCE
VQQGGIFSIAIGIEGTQMAHCLGAYCPNILFPYARECITSMVSRGTFPQLNLAPVNFDFALFMNYLQQQAGEGTEEHQ
DA

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.