
Product Data Sheet

Product Name: SecB
 Cat. No.: GP24515
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein-export protein secB; secB; b3609; JW3584.		
Amino Acid Sequence	MSEQNNTMT FQIQRIYTKD ISFEAPNAPH VFQKDWQPEV KLDLDTASSQ LADDVYEVVL RVTVTASLGE ETAFLCEVQQ GGIFSIAGIE GTQMAHCLGA YCPNILFPYA RECITSMVSR GTFPQLNLAP VNFDAFMNY LQQQAGEGTE EHQDA.		
Formulation	The SecB protein solution (1mg/ml) contains 20mM Tris-HCl pH-8 and 10% glycerol.		

Introduction

SecB, a significant chaperone that takes part in protein export, binds various ligands rapidly with high affinity and low specificity. SecB plays an important role during protein export through 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 take part in functions outside of export acting as a universal nonspecific chaperone to provide buffering capacity of the nonnative state of proteins in the cytosolic pool.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Recombinant E.Coli SecB produced in E.Coli is a single, non-glycosylated polypeptide chain containing 155 amino acids and having a molecular mass of 17.2 kDa. SecB was over-expressed in E. coli and purified by conventional chromatography.

Caution: Product has not been fully validated for medical applications. For research use only.

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