
Product Data Sheet

Product Name: SKP E. Coli
 Cat. No.: GP25122
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	hlpA; ompH; Chaperone protein skp; skp.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MADKIAIVNM GSLFQQVAQK TGVSNLENE FKGRASELQR METDLQAKMK KLQSMKAGSD RTKLEKDVMA QRQTFAQKAQ AFEQDRARRS NEERGKLVTR IQTAVKSVAN SQDIDLVVDA NAVAYNSSDV KDITADVLKQ VK.		
Formulation	SKP E.Coli solution containing 20mM Tris-HCl pH-8 & 20% glycerol.		

Introduction

SKP is a 17kDa trimeric periplasmic chaperone that supports outer membrane proteins in their folding and insertion into membranes. SKP protein is necessary for the normal release of ompA from the inner membrane, the maintenance of its solubility in the periplasm, and, in association with lipopolysaccharide (LPS), for the efficient folding and insertion of ompA into the outer membrane.

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

SKP Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 162 amino acids (21-161 a.a.) and having a molecular mass of 17.9 kDa. The SKP is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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

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