Recombinant E.coli skp protein

Catalog Number: ATGP0589

PRODUCT INFORMATION

Expression system
E.coli

Domain
21-161aa

UniProt No.
P0AEU7

NCBI Accession No.
NP_414720

Alternative Names
Chaperone protein skp, Periplasmic chaperone, ompH, DNA binding 17 kDa protein, ECK0177, Histone like protein HLP 1, hlpA, JW0173, Seventeen kilodalton protein

PRODUCT SPECIFICATION

Molecular Weight
17.9 kDa (162aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
The Seventeen Kilodalton Protein (Skp) is a trimeric periplasmic chaperone that assists outer membrane proteins in their folding and insertion into membranes. This protein required for the efficient 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. Recombinant E. coli Skp, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

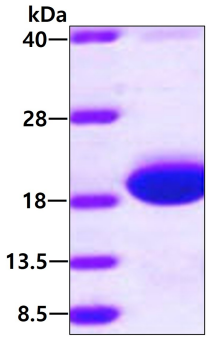
<MGSSHHHHHH SSGLVPRGSH M>ADKIAIVNM GSLFQQVAQK TGVSNTLENE FKGRASELQR METDLQAKMK KLQSMKAGSD RTKLEKDVMA QRQTFAQKAQ AFEQDRARRS NEERGKLVTR IQTAVKSVAN SQDIDLVVDA NAVAYNSSDV KDITADVLKQ VK

General References

Korndorfer IP., et al. (2004) Nat Struct Mol Biol. 11(10):1015-20
Walton TA., et al. (2004) Mol Cell. 15(3):367-74.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.