

Recombinant Escherichia coli SURA Protein (21-428 aa), His-tagged

Cat. No. SURA-1615E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) SURA Protein (21-428 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	Yeast
ProteinLength	21-428 aa
Description	Chaperone involved in the correct folding and assbly of outer mbrane proteins, such as OmpA, OmpF and LamB. Recognizes specific patterns of aromatic residues and the orientation of their side chains, which are found more frequently in integral outer mbrane proteins. May act in both early periplasmic and late outer mbrane-associated steps of protein maturation. Essential for the survival of E.coli in stationary phase. Required for pilus biogenesis.
Form	Tris-based buffer,50% glycerol
Molecular Mass	47.1 kDa
AA Sequence	APQVVDKVAADVNNGVVLESDVDGLMQSVKLNAAQARQQLPDDATLRHQIMERLIM DQIILQMGQKMGVKISDEQLDQAIAANIAKQNNMTLDQMRSRLAYDGLNYNTYRNQIR KEMIISEVRNNEVRRRITILPQEVEVSLAQQVGNQNDASTEINLSHILIPENPTSDQV

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NEAESQARAIVDQARNGADFGKLAIAHSADQQALNGGQMGWGRIQELPGIFAQALS
TAKKGDIVGPIRSGVGFHILKVNDLRGESKNISVTEVHARHILLKPSPIMTDEQARVKL
EQIAADIKSGKTTFAAAAKEFSQDPGSANQGGDLGWATPDIFDPAFRDALTRLNKGQ
MSAPVHSSFGWHLIELLDTRNVDKTDAAQKDRAYRMLMNRKFSEEAASWMQEQRA
SAYVKILSN

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [surA peptidyl-prolyl cis-trans isomerase SurA \[Escherichia coli str. K-12 substr. MG1655 \]](#)

Official Symbol [SURA](#)

Synonyms ECK0054;

Gene ID [944812](#)

Protein Refseq [NP_414595](#)

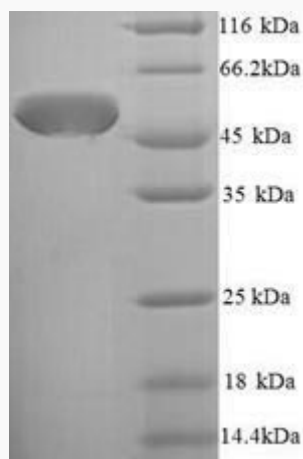
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UniProt ID

P0ABZ6



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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