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Bacterial recombinant protein SurA

Bacterial Recombinant SurA
Catalog # PBV10617r

Specification

Bacterial recombinant protein SurA - Product info

Primary Accession	P0ABZ6
Concentration	1
Calculated MW	47.3 kDa (429 aa, 21-428 aa + NT His-Tag) KDa

Bacterial recombinant protein SurA - Additional Info

Gene ID	12932020
Gene Symbol	SURA

Other Names
PPIase surA, Rotamase surA, Survival protein A, Chaperone surA.

Gene Source	Bacteria
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>450 nmoles/min/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MAPQVVDKVA AVVNNGVVLE SDVDGLMQSV KLNAAQARQQ LPDDATLRHQ IMERLIMDQI ILQMGQKMGV KISDEQLDQA IANIAKQNNM TLDQMRSRLA YDGLNYNTYR NQIRKEMIIS EVRNNEVRRR ITILPQEVES LAQQVGNQND ASTELNLSHI LIPLPENPTS DQVNEAESQA RAIVDQARNG ADFGKLAIAH SADQQALNGG QMGWGRIQEL PGIFAQALST AKKGDIVGPI RSGVGFHILK VNDLRGESKN ISVTEVHARH ILLKPSPIMT DEQARVKLEQ IAADIKSGKT TFAAAAKEFS QDPGSANQGG DLGWATPDIF DPAFRDALTR LNKGQMSAPV HSSFGWHLIE LLDTRNVDKT DAAQKDRAYR MLMNRKFSEE AASWMQEQRA SAYVKILSN

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Bacterial recombinant protein SurA - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Bacterial recombinant protein SurA - Images

Bacterial recombinant protein SurA - Background

SurA is a periplasmic peptidyl-prolyl isomerase (PPIase) and chaperone of Escherichia coli and other Gram-negative bacteria. This protein is a major factor in the biogenesis of beta-barrel outer membrane proteins (OMPs) and plays an integral role in cell envelope homeostasis and cell envelope functions. It is essential for the survival of E.coli in stationary phase and required for pilus biogenesis.

Bacterial recombinant protein SurA - References

Almiron M.,et al.Unpublished observations (JAN-1993).
Yura T.,et al.Nucleic Acids Res. 20:3305-3308(1992).
Blattner F.R.,et al.Science 277:1453-1462(1997).
Hayashi K.,et al.Mol. Syst. Biol. 2:E1-E5(2006).
Roa B.B.,et al.J. Bacteriol. 171:4767-4777(1989).