

## Recombinant Chaperone SurA

Catalog No: #AP72969



Package Size: #AP72969-1 20ug #AP72969-2 100ug #AP72969-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Chaperone SurA
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-428aaSequence Info:Full Length
Other Names	Peptidyl-prolyl cis-trans isomerase SurA (EC:5.2.1.8) ;PPIase SurARotamase SurASurvival protein A
Accession No.	P0ABZ6
Uniprot	P0ABZ6
GeneID	944812;
Calculated MW	47.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	APQVVDKVAADVNNNGVLESDVDGLMQSVKLNAAQARQQLPDDATLRHQIMERLIMDQILQMGQKMGVKIS DEQLDQAIANIAKQNNMTLDQMRSRLAYDGLNYNTYRNQIRKEMIISEVRNNEVRRRITILPQEVESLAQQVGN QNDASTELNLSHILIPENPTSDQVNEAESQARAIVDQARNGADFGKLAIAHSADQQALNGGQMGWGRIQEL PGIFAQALSTAKKGDIVGPIRSGVGFHILKVNDLRGESKNISVTEVHARHILLKPSIMTDEQARVKLEQIAADIKS GKTTFAAAAKEFSQDPGSANQGGDLGWATPDIFDPAFRDALTRLNKGQMSAPVHSSFGWHLIELLDTRNVDK TDAQKDRAYRMLMNRKFSEEAASWMQEQRASAYVKILSN
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Chaperone involved in the correct folding and assembly of outer membrane 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 membrane proteins. May act in both early periplasmic and late outer membrane-associated steps of protein maturation. Essential for the survival of E.coli in stationary phase. Required for pilus biogenesis.

## References

New components of protein folding in extraCytoplasmic domain compartments of Escherichia coli SurA, FkpA and Skp, OmpH. Missiakas D., Betton J.-M., Raina S. Mol. Microbiol. 21:871-884(1996) Research Topic: Others

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Note: This product is for in vitro research use only