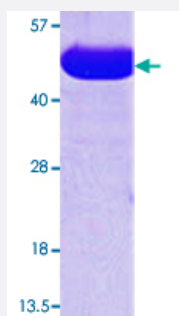


Bioactive

surA (*Escherichia coli*) Recombinant protein

Catalog # P4971 Size 100 ug

Applications



Specification

Product Description

Escherichia coli surA (NP_414595, 21 a.a. - 428 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHSSGLVPRGSHMAPQVVDKVAADVNNNGVVLESVDVGLMQSVKLNAQARQQLP
DDATLRHQIMERLIMDQIILQMGGKMGVKISDEQLDQAIAIAKQNNMTLDQMRSRLAYDGLNYNTY
RNQIRKEMIIEVRNNEVRRRITLPQEVEVSLAQQVGNQNDASTELNLSHILPLPENPTSDQVNEAE
SQARAVDQARNGADFGKLAIAHSADQQALNGGQMGWGRIQLPGIFAQALSTAKKGDIVGPIRS
GVGFHILKVNDLRGESKNISVTEVHARHILLKPSPIMTDEQARVKLEQIAADIKSGKTTFAAAAKEFS
QDPGSANQGGDLGWATPDIFDPAFRDALTRLNKGQMSAPVHSSFGWHLIELDTRNVDKTDAA
QKDRAYRMLMNRKFSEEAASWMQEQRASAYVKILSN

Host *Escherichia coli*

Theoretical MW (kDa) 47.3

Form Liquid

Preparation Method *Escherichia coli* expression system

Purification Conventional Chromatography

Concentration 1 mg/mL

Purity > 95% by SDS-PAGE

Activity	Specific activity is > 450 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 μ mol of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.
Quality Control Testing	15% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — surA

Entrez GeneID	944812
Protein Accession#	NP_414595
Gene Name	surA
Gene Alias	ECK0054, JW0052
Gene Description	peptidyl-prolyl cis-trans isomerase (PPlase)
Gene Ontology	Hyperlink
Other Designations	-