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Datasheet

surA (*Escherichia coli*) Recombinant protein

Catalog Number: P4971

Regulation Status: For research use only (RUO)

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

Sequence:
MGSSHHHHHHSSGLVPRGSHMAPQVVDKVAAVVNN
GVVLESDVDGLMQSVKLNAAQARQQLPDDATLRHQI
MERLIMDQIILQMGQKMGVKISDEQLDQAIANIAKQNN
MTLDQMRSRLAYDGLNYNTYRNQIRKEMIISEVRNNE
VRRRITILPQEVESLAQQVGNQNDASTELNLSHILIPLP
ENPTSDQVNEAESQARAIVDQARNGADFGKLAIAHSA
DQQALNGGQMGWGRIQELPGIFAQALSTAKKGDIVGP
IRSGVGFHILKVNDLRGESKNISVTEVHARHILLKPSPIM
TDEQARVKLEQIAADIKSGKTTFAAAAKEFSQDPGSAN
QGGDLGWATPDIFDPAFRDALTRLNKGQMSAPVHSS
FGWHLIELLDTRNVDKTDAAQKDRAYRMLMNRKFSEE
AASWMQEQRASAYVKILSN

Host: Escherichia coli

Theoretical MW (kDa): 47.3

Applications: Func, SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

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 1umole of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.

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.

Entrez GeneID: 944812

Gene Symbol: surA

Gene Alias: ECK0054, JW0052