



# Recombinant Escherichia coli Arginine--tRNA ligase (argS)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-EP540021ENX-B  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | B1LCZ5   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli (strain SMS-3-5 / SECEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MNIQALLSEK VRQAMIAAGA PADCEPQVRQ SAKVQFGDYQ ANGMMAVAKK<br>LGMAPRQLAE QVLTHLDLNG IASKVEIAGP GFINIFLDP A FLADHVQQAL<br>ASDRLGVATP EKQTIVVDYS APNVAKEMHV GHLRSTIIGD AAVRTLEFLG<br>HKVIRANHVG DWGTQFGMLI AWLEKQQQEN AGEMELADLE GFYRDAKKHY<br>DEDEEFAERA RNYVVKLQSG DEYFREMWRK LVDITMTQNQ ITYDRLNVTL<br>TRDDVMGESL YNPMLPGIVA DLKAKGLAVE SEGATVVFLD EFKNKEGEP<br>GVIIQKKDGG YLYTTTDIAC AKYRYETLHA DRVLYYIDSR QHQHLMQAWA<br>IVRKAGYVPE SVPLEHHMFG MMLGKDGKPF KTRAGGTVKL ADLLDEALER<br>ARRLVAEKNP DMPADELEKL ANAVGIGAVK YADLSKNRTT DYIFDWDNML<br>AFEGNTAPYM QYAYTRVLSV FRKAEIDEEQ LAAAPVIIRE DREAQLAARL<br>LQFEETLTVV AREGTPHVMC AYLYDLAGLF SGFYEHCPIL SAENEVRNS<br>RLKLAQLTAK TLKLGLDTLG IETVERM |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | argS   |
| <b>Protein Names</b>     | Recommended name: Arginine--tRNA ligase EC= 6.1.1.19 Alternative name(s): Arginyl-tRNA synthetase Short name= ArgRS  |
| <b>Expression Region</b> | 1-577  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | 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.