



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

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| <b>Product Code</b>      | CSB-EP635111EGW-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Abbreviation</b>      | argS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>       | Q1RAQ8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Escherichia coli (strain UTI89 / UPEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | MNIQALLSEK VRQAMIAAGA PADCEPQVRQ SAKVQFGNYQ ANGMMAVAKK<br>LGMAPRQLAE QVLTHLDLNG IASKVEIAGP GFINIFLDPA FLAEHVQQAL<br>ASDRLGVAMP 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 SAENEEVRNS<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.                                                                                                                                                                                                                                                                                |



## Shelf Life

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.