# Recombinant Pseudomonas putida Lipoyl synthase (lipA)

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| **Product Code** | CSB-EP012927PZN-B |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | A5W9I5 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Pseudomonas putida (strain ATCC 700007 / DSM 6899 / BCRC 17059 / F1) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MTTVQEAVPN LIPTQDATPR PAPKKVEAGV KLRGADKVAR IPVKIIPTDE LPKKPDWIRV RIPVSPEVDR IKQLLRKHKL HSVCEEASCP NLGECFSGGT ATFMIMGDIC TRRCPFCDVG HGRPKPLDLD EPKNLAVAIA DLRLKYVVIT SVDRDDLRDG GAQHFADCIR EIRALSPGVQ LETLVPDYRG RMDVALEITA QEPPDVFNHN LETVPRLYKA ARPGSDYDWS LDLLQKFKQL VPHVPTKSGL MLGLGETDEE VIEVMHRMRE HDIDMLTLGQ YLQPSRSHLP VQRFVHPDTF AWFAEEGYKM GFKNVASGPL VRSSYHADQQ AHEAKIKL |
| **Source** | E.coli |
| **Target Names** | lipA |
| **Protein Names** | Recommended name: Lipoyl synthase EC= 2.8.1.8 Alternative name(s): Lip-syn Short name= LS Lipoate synthase Lipoic acid synthase Sulfur insertion protein LipA |
| **Expression Region** | 1-338 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | full length protein |
| **Reconstitution** | 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.<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. |