



Recombinant *Saccharopolyspora erythraea* Lipoyl synthase (lipA)

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| Product Code | CSB-EP012927STB-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | A4FA70 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Saccharopolyspora erythraea</i> (strain ATCC 11635 / DSM 40517 / JCM 4748 / NBRC 13426 / NCIMB 8594 / NRRL 2338) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MTAAPEGRKL LRLEVRNSQT PIEKKPSWIK TRARMGPEYQ ELKGLVKREG LHTVCEEAGC PNIFECWEDR EATFLIGGDQ CTRRCDFCQI DTGKPAELDV EPPRRVAESV QAMGLRYSTV TGVARDDED GGAWLYAETV RQIHQLNPGT GVELLIPDFN ADPGQLAEVF GSRPEVLAHN VETVPRIFKR IRPAFRYERS LEVITRARED GLVTKSNLIL GMGETPEEVT EALRDLREAG TDIITITQYL RPSRHHHPVE RWVKPEEFVE HTRTAEELGF PGVMAGPLVR SSYRAGRLYA KATEHRGMPL PDNLAHLAKA GTAAQEASSL LSR |
| 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 | 1-333 |
| 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. 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. |