



# Recombinant Streptomyces griseus subsp. griseus Lipoyl synthase (lipA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP012927FOF-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | B1VZM3  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Streptomyces griseus subsp. griseus (strain JCM 4626 / NBRC 13350)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MSAVAPDGRK MLRLEVRNSQ TPIERKPEWI KTRAKMGPEY KQLQQLVKGE<br>GLHTVCQEAG CPNIFECWED REATFLIGGD QCTRRCDFCQ IDTGKQPALD<br>RDEPRRVGES VVTMDLNYAT ITGVARDdle DGGAWLYAET VRQIHTLTAE<br>REAGATKVEL LIPDFNAEPE QLAEVFSSRP EVLAHNVETV PRIFKRIRPG<br>FRYERSLEVI TRAREAGLIT KSNLILGMGE TREEVSEALQ DLYDAGCELI<br>TITQYLRPSV RHHPVERWVK PHEFVELKDE ADAIGYSGVM SGPLVRSSYR<br>AGRLFQQAME ARGVAAAGSA QAAQAV                                |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | lipA  |
| <b>Protein Names</b>     | Recommended name: Lipoyl synthase EC= 2.8.1.8 Alternative name(s): Lip-syn<br>Short name= LS Lipoate synthase Lipoic acid synthase Sulfur insertion protein<br>LipA   |
| <b>Expression Region</b> | 1-326   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>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<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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,<br>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<br>of lyophilized form is 12 months at -20°C/-80°C.  |