



# Recombinant Xanthobacter autotrophicus Lipoyl synthase (lipA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP012927XAV   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | A7IM78  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Xanthobacter autotrophicus (strain ATCC BAA-1158 / Py2)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MVTVIDTLAR PRHPEKANRP ETEVLRKPDW IRVKAPGSAG WSQTAEIVRA<br>NGLHTVCEEA GCPNIGECWE KKHATFMIMG DTCTRACAFN NVRTGMPEAL<br>DQGEPQKVG D AVAKLGLSHV VITSVDRDDL ADGGAEHFAR TIAAIRKASP<br>GTTIEILTPD FLRKDGALEV VVAARPDVFN HNLETVPKAY LSVRPGARYF<br>HSLRLLQKVK ELDGSIFTKS GIMVGLGEER PEVLQLMDDL RAEVDFITI<br>GQYLQPTRKH HKVERFVTPD EFKAYETVAY AKGFLMVSAS PLTRSSHAG<br>DDFEKLRAAR VARLGRS                               |
| <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> | 1-317   |
| <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.<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.  |