



# Recombinant *Geobacter sulfurreducens* Lipoyl synthase (lipA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP012927GBK   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P61196  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | <i>Geobacter sulfurreducens</i> (strain ATCC 51573 / DSM 12127 / PCA)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MNIHRKPEWL RKKINPAAHG AMDELLGELR LHTVCREARC PNITECFRER<br>QATFLILGAE CTRLCSFCNV TKGEPLPPDP DEPARVAQAV VRLSLAHVVI<br>TSPTRDDLDP GGAGHYVATV ATIGRVAPAT VVELLIPDFL GSRAALADV<br>AAAPRIIGHN VETVPRLYAI RAGADYGRSL AVLRTLRELA PGCATKSGLM<br>LGLGETEEEV LAVMADLRRV DCTYLSLGQY LAPSRFHHPV REFVLPETFD<br>RLKELAEKMG FRHVESGPYV RSSYHAAGYG GGTRTDQPVA<br>SGCLSDQEGV SAQ  |
| <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> | 1-303   |
| <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.  |