



Recombinant *Oligotropha carboxidovorans* Lipoyl synthase (lipA)

Product Code	CSB-EP012927OED
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	B6JDY1
Product Type	Recombinant Protein
Immunogen Species	<i>Oligotropha carboxidovorans</i> (strain ATCC 49405 / DSM 1227 / KCTC 32145 / OM5)
Purity	>85% (SDS-PAGE)
Sequence	MVTLIDTISE RQVRPRHPEK AHRPDAISPP KPDWIRVRAP TSRGYANTRN IVKENGLVTV CEEAGCPNIG ECWDKKHATF MIMGDTCTRA CAFCNVRTGL PDGLDPDEPA HVALAVQKLG LAHVVITSVD RDDLDAGGAA HFAATIAAIR ESCPTTIEI LTPDFLRKEG ALEVVA AKP DVFNHNLETV PSRYQSVRPG ARYFHSVRLR QRVKEIDPTI FTKSGIMVGL GEERHEVLQV MDDLRSADVD FLTIGQYLQP TLKHHAVMRY VTPEEFDGYE RIAFTKGFLM VSASPLTRSS HHAGEDFARL KAAREAKLQS AG
Source	<i>E. coli</i>
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	1-322
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.