



Recombinant Escherichia coli Diaminopimelate decarboxylase (lysA)

Product Code	CSB-EP517162ENQ
Storage	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.
Uniprot No.	E0IWI3
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain ATCC 9637 / CCM 2024 / DSM 1116 / NCIMB 8666 / NRRL B-766 / W)
Purity	>85% (SDS-PAGE)
Sequence	MPHSLFSTDT DLTAENLLRL PAEFGCPVWV YDAQIIRRQI AALKQFDVVR FAQKACSNIH ILRLMREQGV KVDSVSLGEI ERALAAGYNP QTHPDDIVFT ADVIDQATLE RVSELQIPVN AGSVDMLDQL GQVSPGHRVW LRVNPGFGHG HSQKTNTGGE NSKHGIWYTD LPAALDVIQR HHLQLVGIHM HIGSGVDYAH LEQVCGAMVR QVIEFGQDLQ AISAGGGLSV PYQQGEEAVD TEHYGLWNA AREQIARHLG HPVKLEIEPG RFLVAQSGVL ITQVRSVKQM GSRHFVLVDA GFNDLMRPAM YGSYHHISAL AADGRSLEHA PTVETVVAGP LCESGDVFTQ QEGGNVETRA LPEVKAGDYL VLHDTGAYGA SMSSNYNSRP LLPEVLFDNG QARLIRRRQT IEELLALELL
Source	E.coli
Target Names	lysA
Protein Names	Recommended name: Diaminopimelate decarboxylase Short name= DAP decarboxylase Short name= DAPDC EC= 4.1.1.20
Expression Region	1-420
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.