



# Recombinant Escherichia coli Diaminopimelate decarboxylase (lysA)

<b>Product Code</b>	CSB-MP517162ENQ
<b>Storage</b>	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.
<b>Uniprot No.</b>	E0IWI3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain ATCC 9637 / CCM 2024 / DSM 1116 / NCIMB 8666 / NRRL B-766 / W)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	lysA
<b>Protein Names</b>	Recommended name: Diaminopimelate decarboxylase Short name= DAP decarboxylase Short name= DAPDC EC= 4.1.1.20
<b>Expression Region</b>	1-420
<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. 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.