



# Recombinant Escherichia coli UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--2,6-diaminopimelate ligase (murE)

<b>Product Code</b>	CSB-MP325240ENV
<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>	P22188
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADRNLRDLL APWVPDAPSR ALREMTLDSR VAAAGDLFVA VVGHQADGRR YIPQAIAGQV AAIIAEAKDE ATDGEIREMH GVPVIYLSQL NERLSALAGR FYHEPSDNLR LVGVTGTNGK TTTTQLLAQW SQLLGEISAV MGTVGNGLLG KVIPTENTTG SAVDVQHELA GLVDQGATFC AMEVSSHGLV QHRVAALKFA ASVFTNLSRD HLDYHGDMEH YEAAKWLLYS EHHCGQAIIN ADDEVGRRWL AKLPDAVAVS MEDHINPNCH GRWLKATEVN YHDSGATIRF SSSWGDGEIE SHLMGAFNVS NLLLALATLL ALGYPLADLL KTAARLQPV C GRMEVFTAPG KPTVVVDYAH TPDALAKALQ AARLHCAGKL WCVFGCGGDR DKGKRPLMGA IAEEFADVAV VTDDNPRTEE PRAIINDILA GMLDAGHAKV MEGRAEAVTC AVMQAKENDV VLVAGKGHED YQIVGNQRLD YSDRVTVARL LGVIA
<b>Source</b>	Mammalian cell
<b>Target Names</b>	murE
<b>Protein Names</b>	Recommended name: UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--2,6-diaminopimelate ligase EC= 6.3.2.13 Alternative name(s): Meso-A2pm-adding enzyme Meso-diaminopimelate-adding enzyme UDP-MurNAc-L-Ala-D-Glu:meso-diaminopimelate ligase
<b>Expression Region</b>	2-495
<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 of Mature 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.

### 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.