



# Recombinant Escherichia coli UDP-N-acetylmuramoyl-tripeptide--D-alanyl-D-alanine ligase (murF)

<b>Product Code</b>	CSB-EP318179ENV-B
<b>Storage</b>	The shelf life of liquid-form form is 6 months around at -20°C/-80°C. The shelf life of lyophilized form is 12 months around at -20°C/-80°C.
<b>Uniprot No.</b>	P11880
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MISVTLSQLT DILNGELQGA DITLDAVTTD TRKLTPGCLF VALKGERFDA HDFADQAKAG GAGALLVSRP LDIDLPLQIV KDTRLAFGEL AAWVRQQVPA RVVALTGSSG KTSVKEMTAA ILSQCGNTLY TAGNLNNDIG VPMTLLRLTP EYDYAVIELG ANHQGEIAWT VSLTRPEAAL VNNLAAAHLE GFGSLAGVAK AKGEIFSGLP ENGIAMNAD NNDWLNWQSV IGSRKVWRFS PNAANSDFTA TNIHVTSHGT EFTLQTPGSD VDVLLPLPGR HNIANALAAA ALSMSVGATL DAIKAGLANL KAVPGRLFPI QLAENQLLLD DSYNANVGSM TAAVQVLAEM PGYRVLVVG D MAELGAESEA CHVQVGEAAK AAGIDRVLSV GKQSHAISTA SGVGEHFADK TALITRLKLL IAEQQVITIL VKGSRSAAME EVVRALQENG TC
<b>Source</b>	E.coli
<b>Target Names</b>	murF
<b>Protein Names</b>	Recommended name: UDP-N-acetylmuramoyl-tripeptide--D-alanyl-D-alanine ligase EC= 6.3.2.10 Alternative name(s): D-alanyl-D-alanine-adding enzyme UDP-MurNAc-pentapeptide synthetase
<b>Expression Region</b>	1-452
<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.