



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

Product Code	CSB-MP318179ENV
Storage	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.
Uniprot No.	P11880
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	>85% (SDS-PAGE)
Sequence	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 EFTLQPTGS VDVLLPLPGR HNIANALAAA ALSMSVGATL DAIKAGLANL KAVPGRLFPI QLAENQLLLD DSYNANVGSM TAAVQVLAEM PGYRVLVVD MAELGAEESEA CHVQVGEAAK AAGIDRVLSV GKQSHAISTA SGVGEHFADK TALITRLKLL IAEQQVITIL VKGSRSAAME EVVRALQENG TC
Source	Mammalian cell
Target Names	murF
Protein Names	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
Expression Region	1-452
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.