



# Recombinant Escherichia coli UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD)

<b>Product Code</b>	CSB-EP318612ENV
<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>	P14900
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADYQGKNVV IIGLGLTGLS CVDFFLARGV TPRVMDTRMT PPGLDKLPEA VERHTGSLND EWLMAADLIV ASPGIALAHP SLSAAADAGI EIVGDIELFC REQAPIVAI TGSNGKSTVT TLVGEMAKAA GNVVGVGGNI GLPALMLLDD ECELYVLELS SFQLETTSSL QAVAATILNV TEDHMDRYPF GLQQYRAAKL RIYENAKVCV VNADDALTMP IRGADERCVS FGVNMGDYHL NHQQGETWLR VKGEKVLNVK EMKLSGQHNY TNALAALALA DAAGLPRASS LKALTTFTGL PHRFEVVLEH NGVRWINDSK ATNVGSTEAA LNGLHVDGTL HLLLGGDGKS ADFSPLARYL NGDNVRLYCF GRDGAQLAAL RPEVAEQTET MEQAMRL LAP RVQPGDMVLL SPACASLDQF KNFEQRGNEF ARLAKELG
<b>Source</b>	E.coli
<b>Target Names</b>	murD
<b>Protein Names</b>	Recommended name: UDP-N-acetylmuramoylalanine--D-glutamate ligase EC=6.3.2.9 Alternative name(s): D-glutamic acid-adding enzyme UDP-N-acetylmuramoyl-L-alanyl-D-glutamate synthetase
<b>Expression Region</b>	2-438
<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.
<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.