



# Recombinant Bacillus subtilis UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD)

<b>Product Code</b>	CSB-EP311793BRJ-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	Q03522
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bacillus subtilis (strain 168)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MENDQFLQKQ HFLILGLAKS GYAAASILHE KGIYVAVNDQ KPFEENEPAQ KLSEKGIEVV CGEHPVSLFD QHQITILIKN PGIPYENIMV QEAEKRGIPV WTEIELAYYL TSAKFIGITG SNGKTTTTTL IYEMLKADSQ KALIAGNIGT VASEVAYHAD GDEWIVTELS SFQLMGTHAF RPEISLILNV FDAHLDYHHT RENYEKAKQK VYLHQTASDK AIVNQDDETV VRLAEAGKAE IVPFSVSKTL EQGAYVKDSM IMFNGEAILP LEEVVLPGAH NLENILAAIA VVKTAGASNE AVKKVLTSFT GVKHRLQYVT TVNGRKFYND SKATNILATS KALSAFDKPV ILLAGGLDRG NGFDDLKPYM KHVKAULTFG QTAPKLEKLG NELGIQHVKR VDNVEQAVSA AFALSNEGDV ILLSPACASW DQFKTFEERG DMFIDAVHML K
<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>	1-451
<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.