



# Recombinant UDP-N-acetylmuramate--L-alanine ligase (murC)

<b>Product Code</b>	CSB-EP774510SZB-B
<b>Abbreviation</b>	murC
<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>	Q83MF8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Shigella flexneri
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNTQQLAKLR SIVPEMRRVR HIHFVGIGGA GMGGIAEVLA NEGYQISGSD LAPNPVTQQL LNLGATIYFN HRPENVRDAS VVVVSSAISA DNPEIVA AHE ARIPVIRRAE MLAELMRFRH GIAIAGTHGK TTTTAMVSSI YAEAGLDPTF VNGGLVKAAG VHARLGHGRY LIAEADES DA SFLHLQPMVA IVTNI EADHM DTYQGFENL KQTFINFLHN LPFYGRAVMC VDDPVIRELL PRVGRQTTTY GFSEDADVRV EDYQQIGPQG HFTLLRQDKE PMCVTLNAPG RHNALNAAAA VAVATEEGID DEAILRALES FQGTGRRFDF LGEFPLEPVN GKSGTAMLVD DYGHHPT EVD ATIK AARAGW PDKNLVMLFQ PHRFTRTRDL YDDFANVLTQ VDTLLMLEVY PAGEAPIGA DSRSLC RTIR GRGKIDPILV PDPAQVAEML APVLTGNDLI LVQGAGNIGK IARSLAEIKL KPQTPEEEQH D
<b>Source</b>	E.coli
<b>Target Names</b>	murC
<b>Protein Names</b>	Recommended name: UDP-N-acetylmuramate--L-alanine ligase EC= 6.3.2.8 Alternative name(s): UDP-N-acetylmuramoyl-L-alanine synthetase
<b>Expression Region</b>	1-491
<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.