



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

<b>Product Code</b>	CSB-EP850612FMW-B
<b>Abbreviation</b>	murD
<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>	Q97RU8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Streptococcus pneumoniae serotype 4 (strain ATCC BAA-334 / TIGR4)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKVIDQFKNK KVLVLGLAKS GESAARLLDK LGAIVTVNDG KPFEDNPAAQ SLLEEGIKVI TGGHPLELLD EEFALMVKNP GIPYNNPMIE KALAKGIPVL TEVELAYLIS EAPIIGITGS NGKTTTTTMI GEVLTAAGQH GLLSGNIGYP ASQVAQIASD KDTLVMELSS FQLMGVQEFH PEIAVITNLM PTHIDYHGSF SEYVAAKWNI QNKMTAADFL VLNFNQDLAK DLTSKTEATV VPFSTLEKVD GAYLEDGQLY FRGEVMAAN EIGVPGSHNV ENALATIAVA KLRDVDNQTI KETLSAFGGV KHRLQFVDDI KGVKFYNSDK STNILATQKA LSGFDNSKVV LIAGGLDRGN EFDELVPDIT GLKKMVILGQ SAERVKRAAD KAGVAYVEAT DIADATRKAY ELATQGDVVL LSPANASWDM YANFEVRGDL FIDTVaelke
<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>	1-450
<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.