



Recombinant Legionella pneumophila UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD)

Product Code	CSB-EP716665LAAA
Abbreviation	murD
Storage	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.
Uniprot No.	Q5WTI5
Product Type	Recombinant Protein
Immunogen Species	Legionella pneumophila (strain Lens)
Purity	≥85% (SDS-PAGE)
Sequence	MNHSLYLVAG LGKTGLSIAR YLKRNNKSFV VFDTRKEAPG LAEFQNEFPD VPIYLQQTPD EVISQVTDVI TSPGLALDTP VLESARQAGA LIYGDIECLA REISAPVIAI TGTNGKSTVT TLVGEMAKAA GFRVAVAGNI GTPVLDMLDD EHYDLWVLE LSSFQLDLTY SLSPVVATIL NVTPDHLDHR HTMEAYTQAK QRIYRGAKAV LFNREDVYTV PHQSCQADIK CISFGKDAPS MGNWGLIEQE NTIYLAKGME RLLPVESILI KGVHNWMNAL AACALAEAAG ISMQHILNVL KTFPGLPHRC QWVREVDGVG WINDSKGTNI GATISAINGI GGSMQGKIVL IAGGQGGKAD FQELAQPVSE FVRSIVLIGE DADKIESALA KVVPPVVRASS LEGAVTIKT CAKPGDVLL SPACASLDMF RDFNHRGDVF TSSVRGL
Source	E.coli
Target Names	murD
Protein Names	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
Expression Region	1-447
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.