



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

Product Code	CSB-MP812581EGX
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.	Q8FL65
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)
Purity	>85% (SDS-PAGE)
Sequence	ADYQGKNVV IIGLGLTGLS CVDFFLARGV TPRVMDTRMT PPGLDKLPEA VERHTGGLND EWLMAADLIV ASPGIALAHP SLSAAADAGI EIVGDIELFC REAQAPIVAI TGSNGKSTVT TLVGEMAKAA GNVVGVGGNI GLPALMLLDD ECELYVLELS SFQLETTSSL QAVAATILNV TEDHMDRYPF GLQQYRAAKL RIYENAKVCV VNADDALTMP IRGADERCVS FGVNMGDYHL NHQQGETWLR VKGEKVLNVK EMKLSGQHNY TNALAALALA DAAGLPRASS LKALTTFTGL PHRFEVVLEH NGVRWVNSDK ATNVGSTEAA LNGLHVDGTL HLLGGDGKS ADFSPLARYL NGDNVRLYCF GRDGAQLAAL RPEVAEQTET MEQAMRLLAT RVQPGDMVLL SPACASLDQF KNFEQQRGNEF ARLAKELG
Source	Mammalian cell
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	2-438
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 of Mature 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.