



Recombinant *Nocardia farcinica* UDP-N-acetylmuramoylalanine--D-glutamate ligase (murD)

| | |
|--------------------------|---|
| Product Code | CSB-EP719957NAAA |
| 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. | Q5YYY1 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Nocardia farcinica</i> (strain IFM 10152) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MLEFLRGRDV LVAGWGISGR SLVEPLRDIG AHPVVTDSGA KALAEAAELG LEVATSVELE SADLSRFALV ITSPGWRPDS PVLVSAVTEG IPVWGDVEFA WWVDQARIYG PVRKWLVTG TNGKTTTTQM THAILRAAGI ASVACGNIGL PILDALRRNP GPQVLAVELS SFQLHWAPSV RPEAGVVLNV AEDHLDWHGG LDAYAAAKAR ALVGRIGVVG LDDPVAALA RRSKARRTVG FRVGV PADGE LGVVDGKLLD RAFTKAAILA EVGDISP GP AGVADALAAA ALTRAIDVAP QFVKEGLQEH KVGPHRAAFV REVAGVEFID DSKATNPHAA RSSILAHPHV VWIAGGRLKG AAVEDLVEEV ADRLVAAVLI GVDAPVIAAA LARHAPEVPV VEVRAGDDAV MADDPLRPDE ADAVMAAAVR TAAGYARAGD TVLLAPAAAS LDMFADYTHR GRSFADAVHA LEDGDIGRQP |
| 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 | 1-480 |
| 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.