



# Recombinant Escherichia coli DNA ligase (ligA)

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| <b>Product Code</b>      | CSB-BP541394ENX  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | B1LMK5   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli (strain SMS-3-5 / SECEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MESIEQQLTE LRTTLRHHEY LYHVMDAPEI PDAEYDRLMR ELRELETKHP<br>ELITPDSPTQ RVGAAPLAAF SQIRHEVPML SLDNVFDEES FLAFNKRVQD<br>RLKSNEKVTW CCELKLDGLA VSILYENGLV VSAATRGDGT TGEDITSNVR<br>TIRAIPLKLH GENIPARLEV RGEVFLPQAG FEKINEDARR TGGKVFANPR<br>NAAAGSLRQL DPRITAKRPL TFFCYGVGVV EGGELPDTHL GRLLQFKKWG<br>LPVSDRVTLC ESAEEVLAFY HKVEEDRPTL GFDIDGVVVK VNSLAQQEQL<br>GFVARAPRWA VAFKFPAAEQ MTFVRDVEFQ VGRTGAITPV ARLEPVHVAG<br>VLVSNATLHN ADEIERLGLR IGDKVVIRRA GDVIPQVVNV VLSERPEDTR<br>EUVFPTHCPV CGSDVERVEG EAVARCTGGL ICGAQRKESL KHVFSRRAMD<br>VDGMGDKIID QLVEKEYVHT PADLFLKTAG KLTGLERMGP KSAQNVVNAL<br>EKAKETTFAR FLYALGIREV GEATAAGLAA YFGTLEALEA ASIEELQKVP<br>DVGIVVASHV HNFFAEESNR NVISELLAEG VHWPEPIVIN AEEIDSPFAG<br>KTVVLTGSL S QMSRDDAKAR LVELGAKVAG SVSKKTDLVI AGEAAGSKLA<br>KAQELGIEVI DETEMLRLLG S |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | ligA   |
| <b>Protein Names</b>     | Recommended name: DNA ligase EC= 6.5.1.2 Alternative name(s):<br>Polydeoxyribonucleotide synthase [NAD(+)]   |
| <b>Expression Region</b> | 1-671  |
| <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.   |



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