



Recombinant Escherichia coli DNA ligase B (ligB)

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| Product Code | CSB-EP534363ENP |
| 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. | B1IYV3 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MKVWMAILIS ILCWQSSVWA VCPAWSPARA QEEISRLQQQ IKQWDDDDYWK EGKSEVEDGV YDQLSARLTQ WQRCFGSEPR DVMMPLNGA VMHPVAHTGV RKMVDKNALS LWMRERSDLW VQPKVDGVAV TLVYRDGKLN KAISRGNGLK GEDWTQKVSL ISAVPQTVSG PLANSTLQGE IFLQREGHIQ QQMGGINARA KVAGLMMRQD DSDTLNSLGV FVWAWPDGPQ LMSDRLKELA TAGFTLTQTY TRAVKNADEV ARVRNEWWKA ELPFVTDGVV VRAAKEPESR HWLPGQAEWL VAWKYQPVAQ VAEVKAIQFA VGKSGKISVV ASLAPVMLDD KKVQRVNIGS VRRWQEWDA PGDQILVSLA GQGIPRIDDV VWRGAERTKP TPPENRFNSL TCYFASDVCQ EQFISRLVWL GAKQVLGLDG IGEAGWRALH QTHRFEHIFS WLLLTPPEQLQ NTPGIAKSKS AQLWHQFNLA RKQPFTRWVM AMGIPLTRAA LNASDERSWS QLLFSTEQFW QQLPGTGSGR ARQVIEWKEN AQIKKLGSWL AAQQITGFEP |
| Source | E.coli |
| Target Names | ligB |
| Protein Names | Recommended name: DNA ligase B EC= 6.5.1.2 Alternative name(s): Polydeoxyribonucleotide synthase [NAD(+)] B |
| Expression Region | 1-560 |
| 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.