



# Recombinant Enterobacteria phage T7 DNA ligase (1.3)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-MP360604EEB                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>           | 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.                                                                                                                                                    |
| <b>Uniprot No.</b>       | P00969                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen Species</b> | Enterobacteria phage T7 (Bacteriophage T7)                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Sequence</b>          | MMNIKTNPFK AVSFVESAIK KALDNAGYLI AEIKYDGVRG NICVDNTANS<br>YWLSRVSKTI PALEHLNGFD VRWKRLNDD RCFYKDGFM L DGELMVKGVD<br>FNTGSGLLRT KWTDTKNQEF HEELFVEPIR KKDKVPFKLH TGHLHIKLYA<br>ILPLHIVESG EDCDVMTLLM QEHVKNMLPL LQEYFPEIEW QAAESYEVYD<br>MVELQQLYEQ KRAEGHEGLI VKDPMCIYKR GKKS GWWKMK PENEADGIIQ<br>GLVWGTKGLA NEGK VIGFEV LLESGRLVNA TNISRALMDE FTETVKEATL<br>SQWGGFFSPYG IGDNDACTIN PYDGWACQIS YMEETPDGSL RHPSFVMFRG<br>TEDNPQEKM |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target Names</b>      | 1.3                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Names</b>     | Recommended name: DNA ligase EC= 6.5.1.1 Alternative name(s): Polydeoxyribonucleotide synthase [ATP]                                                                                                                                                                                                                                                                                                                               |
| <b>Expression Region</b> | 1-359                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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. 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.                                                                                                                                                    |