



Recombinant Human DNA ligase 1 (LIG1)

Product Code	CSB-MP012930HU
Relevance	DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.
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.	P18858
Alias	DNA ligase I Polydeoxyribonucleotide synthase [ATP] 1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Research Area	Cell Cycle
Source	Mammalian cell
Target Names	LIG1
Protein Names	Recommended name: DNA ligase 1 EC= 6.5.1.1 Alternative name(s): DNA ligase I Polydeoxyribonucleotide synthase [ATP] 1
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	Partial
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.