



# Recombinant Rat DNA primase large subunit (Prim2)

<b>Product Code</b>	CSB-EP018681RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O89044
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MQFSGRTRKK LRLAGDQRNA CYPHSLQFYI QPPTENISLT EFESLAFDRV KLLKAIENLG VSYVKGTEQY QSKLEAEIRK LKFSYRENLE DEYEPRRRDH ISHFILRLAY CQSEDLRRWF IQQEMDLLRF RFSILPKDKV QSFLKDTHLH FEAISDEEKT LREQDIMASS PSLSGVRWES ESVYKVPFAD ALDLFRGRKV YLEDGFAYVP LKDIVAILN EFRATLSKAL ALTARSLPAV QSDERLQPLL SHLSHSYTGQ DYSTQKSTGK ISLDQIDSL S TKSFPFCMRQ LHKALRENHH LRHGGRMQYG LFLKGIGLTL EQALQFWKQE FIGKMDPKD FDKGYSYNIR HSFGKEGKRT DYTPFSCMKI ILTNPPSQGD FHGCPFRHSD AELLKQKMQT YKIPASGISQ ILDLVKGNYH QVACQKYFEM THNVDDCGFS LNHPNQFFFE SQRILTGGKD IKKEASHPET PQHKPSTQKT KDATSALASL DSSLEMDLEG LEDYFSK
<b>Source</b>	E.coli
<b>Target Names</b>	Prim2
<b>Protein Names</b>	Recommended name: DNA primase large subunit EC= 2.7.7.- Alternative name(s): DNA primase 58 kDa subunit Short name= p58
<b>Expression Region</b>	1-507
<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>Target Details</b>	The replication of DNA in eukaryotic cells is carried out by a complex chromosomal replication apparatus, in which DNA polymerase alpha and primase are two key enzymatic components. Primase, which is a heterodimer of a small subunit and a large subunit, synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication. This protein is the large, 58 kDa primase subunit.
<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.



## 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.