



Recombinant *Xenopus laevis* DNA polymerase beta (polb)

Product Code	CSB-EP018302XBE-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O57383
Product Type	Recombinant Protein
Immunogen Species	<i>Xenopus laevis</i> (African clawed frog)
Purity	≥85% (SDS-PAGE)
Sequence	SKRKAPQES PNEGITDFLV ELANYERNVN RAIHKYNAYR KAASVIAKYP TKIKSGTEAK KLDGVGAKIA EKIDEFLATG KLRKLEKIRQ DDTSSSINFL TRVTGIGPAA ARKFFDEGIK TLDDLNRNEH KLNHHQKIGL KHFDDEFKRI PRKEMLQMQE IILDKVNNLD PEYIATVCGS FRRGAESSGD MDILLTHPDF TSESAKQPR L LHQVVQCLED CNFITDTLVK GDTKFMGVQCQ LPCESDQDYP YRRIDIRLIP KDQYYCGVLY FTGSDIFNKN MRTHALEKGF TLNEYTLRPL GVTGIAGEPL PIDSEKDIFD YIQWKYREPK DRSE
Source	E.coli
Target Names	polb
Protein Names	Recommended name: DNA polymerase beta EC= 2.7.7.7 EC= 4.2.99.-
Expression Region	2-334
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 of Mature 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.